

**THE NEW YORK CITY DEPARTMENT OF
ENVIRONMENTAL PROTECTION
*BUREAU OF ENGINEERING DESIGN AND CONSTRUCTION***

CAPITAL PROJECT WM-11



CROTON WATER FILTRATION PLANT

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CM MONTHLY REPORT NO. 109

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CRO-311: SITE PREPARATION

1.0 SUMMARY

Site Preparation for the Croton Water Filtration Plant at Mosholu Golf Course was performed under Contract CRO-311. The Order to Commence Work was issued to the contractor on September 28, 2004. Substantial Completion was achieved on July 6, 2007. The CRO-311 Contractor finalized contract close-out items and received approval of their final MBE/WBE paperwork. The final contract amount is \$113,214,786 which includes all registered change orders.

2.0 SCHEDULE

Substantial completion (Milestone M-3) was achieved by Schiavone Construction on July 6, 2007. This was 2 days ahead of the contract completion date and 13 days ahead of the consent order milestone.

Please refer to Exhibit 1 – Construction Milestone Status, for detailed information on CRO-311 Contract and Consent Order Milestone Dates.

Activities performed this period include:

- No work performed this period.

3.0 ACTIVITIES TO BE PERFORMED IN NEXT PERIOD

- No work to be performed in the next period.

4.0 MAJOR ISSUES

- None.

CRO-312: WATER TREATMENT PLANT CONSTRUCTION

1.0 SUMMARY

Construction of the Water Filtration Plant is being performed under Construction Phase CRO-312, which consists of five (5) prime construction contracts (CRO-312G, E1, E2, H and P). Orders to Commence Work were issued to the CRO-312G, E1, E2 and H Contractors on August 21, 2007 and to the CRO-312P Contractor on December 31, 2007. Partial Extensions of Time have been processed for Contracts CRO-312G for 1,118 days, CRO-312E1 and CRO-312E2 for 730 days, CRO-312H for 663 days and CRO-312P for 913 days. To date, the contractors have invoiced a total of \$1,673,810,029 which is 84.9% of the current budget forecast amount of \$1,972,410,915 which includes registered and pending change orders.

2.0 SCHEDULE

The CRO-312 schedule had been revised, in accordance with the agreements previously made with all contractors, to re-sequence work activities so that Plant A will be ready for testing and startup activities ahead of Plant B.

Below is a table of CM projections for the completion of field system tests for Plants A and B, and the corresponding variance to the previous month's CM projections as of October 31, 2013.

Field System Test	Plant A Current CM Projection for Completion	Plant B Current CM Projection for Completion	Gain/(Loss) This Period Plant A	Gain/(Loss) This Period Plant B
Raw Water Pump, Rapid Mixer, Flocculator Systems	12/14/2012 (A)	4/24/2013 (A)	0	0
Backwash & Waste Backwash Systems	5/2/2013 (A)	8/7/2013 (A)	0	0
Dissolved Air Flotation System	3/26/2013 (A)	10/11/2013 (A)	0	0
UV Disinfection System (including cleaning system)	6/11/2013 (A)	11/4/2013	0	(26)
Chemical Feed Systems*	11/6/2013	11/18/2013	(5)	(4)

* Dates reflect completion of system retesting required by changes to Chemical System Control Strategies.

The slippage for the UV Disinfection Field System Testing (including cleaning system) in Plant B is driven by the CRO-312G Contractor's decision to allocate their resources to the completion of Plant A Field System Testing for the chemical systems in preparation for delivery of all of the chemicals and for the Startup and Testing of Plant A. The UV Disinfection Field System Testing was completed on August 29, 2013, but testing of the UV Cleaning Field System Testing remains outstanding.

The schedule slippage in Chemical Field System Testing for Plants A and B are due to Change Order CRO-312G-368 (Modify Control Strategies) and the delays in implementing the Pulsafeeder programming changes. Pulsafeeder is currently working on resolving issues with the programming changes. Once completed, Field System Testing of the affected chemical systems in Plants A and B will be completed which is currently projected for November 18, 2013.

The contractor's CPM Schedule Update No. 62 (data date October 1, 2013) forecasts that Contract Milestone No. 8 (Begin Startup and Testing of Plants A and B) will be achieved on May 20, 2014 which is 7 days later than the previous month and is 952 consecutive calendar days later than the contract milestone date. The driving path to achieve Milestone 8 is the CRO-312H Contractor's constraint on gas availability which in turn has impacted the start of the heating system testing and balancing. While the completion of the boiler is critical to achieving Milestone 8, the testing of all HVAC systems is not required. The critical path for the CM projection to begin Start-Up Testing continues to be the Field System Testing for all of the Chemical Systems in Plant B. The CM projection for the completion of Milestone No. 8 is November 18, 2013. This is a loss of 4 days and is due to the delay in completing the Field System Testing of the chemical systems due to the Pulsafeeder reprogramming delays.

The CM projection includes the following assumptions to achieving Milestone 8 by November 18, 2013:

- Contractors (other than the CRO-312E1 and CRO-312H Contractors) continue to work on critical change orders prior to registration.
- Revised control strategies for the Chemical Systems and all of the Field System Testing can be completed by November 18, 2013 in Plant B.
- The Laboratory is available for use by November 22, 2013 (date for Startup Stage 1 for Plant A).

- Compaction of the PMCS System provides adequate capacity to implement the identified changes to programming, provides additional capacity for other issues that may develop during testing, and provides adequate spare capacity for future changes.

The contractor's CPM Schedule Update No. 62 (data date October 1, 2013) forecasts that Milestone No. 9 (Commence Operation of the WTP) will be achieved on July 19, 2014, which is 7 days later than the previous month and is 829 consecutive calendar days later than the contract milestone date. The primary driving activity to achieving Milestone No. 9 is the HVAC operational testing that is being driven by Milestone No. 8. Although the CM agrees that delays in achieving Milestone No. 8 are delaying Milestone No. 9, the contractors' CPM schedule does not include the correct driving activities on the critical path. The driving path should include Start-Up and Commissioning activities. Near critical paths which are critical to achieving Milestone No. 9 should include the completion of the modifications to the permanent fire and smoke detector systems which are included in Change Orders CRO-312E1-139 (Modification of Fire Alarm System Due to Removal of Smoke Detectors), CRO-312E1-140 (Modification of Field Electrical Work Due to Smoke Detector Removal) and CRO-312E1-144 (Modification of Smoke Detector Type and Location in HVAC Rooms). The CM projection for Milestone No. 9 is May 10, 2014 which is 18 days later than the previous CM projection. The loss is due to the delay in starting of Plant A.

The CM projection includes the following assumptions to achieving Milestone No. 9 by May 10, 2014:

- Any potential future modifications to the PMCS programming that could impact the Field System Testing and/or plant start-up are not included.
- Construction work and any delays that occur as a result of a redesign of Valve Loops Nos. 3 and 4 in Plants A and B will be completed after Contract Milestone No. 9.
- FDNY approves the revised fire and smoke detector design documents and the CRO-312E1 contractor can complete the change order work prior to Milestone No. 9.
- Disinfection of the Treated Water Low Service Tunnel, which is not part of any contract, and is required after commissioning, is not included.

The contractor's forecast for overall completion of the above grade architectural work, not required to support Milestones Nos. 8 and 9, is April 7, 2016, which is 12 days earlier than the date projected last month. The gain is a result that landscaping work, including backfill and irrigation work started earlier than previously estimated. The CM projects that the final completion will be December 31, 2014, which is the same date from last month. The CM projection does not include the 1-year warranty and maintenance period (for reinstallation of grasses, plantings and trees) at the end of construction while the contractors' CPM schedule does. The CM agrees with the contractor that the work required by Change Orders CRO-312G-118 (Architecture and Furnishings associated with the Above Grade Architectural Design), CRO-312G-246 (Landscaping Modifications), and CRO-312G-116 (Site Work Modifications Associated with Above Grade Architectural Design – Package 3) are on the critical paths to project completion. The gabion and retaining walls are approximately 55% complete, the roof drainage system is approximately 80% complete, and the installation of the geofoam on the roof is approximately 50% complete. Change Order CRO-312H-106 to relocate the CRO-312H contractor's trailers in order for landscaping work to continue was registered on October 16, 2013 and the trailer complex was delivered to the site on October 29, 2013. Work setting up the trailer complex and providing the trailer utilities are in progress.

Major activities performed this period include:

CRO-312G

Civil

- Continued installation of exterior and interior finishes.
- Continued installation of site utilities.
- Continued installation of the geofoam and soil for green roof of plant.
- Continued installation of the gabion walls on the west and south sides of the site.
- Continued installation and stone cladding of Site Wall Nos. 1 and 3 and Arrivals and Receiving Building.
- Continued finishes throughout the plant.
- Continued installation of irrigation system on the plant roof.

Mechanical

- Continued the installation of pipe insulation in Plant A in the Pump Station.
- Continue flush procedures of the Chemical Storage Tanks in Plant A.

Instrumentation

- Continued loop checks in Plants A and B (99.9% complete).
- Continued field calibration of instruments in Plant A and Plant B (81.7% complete).
- Completed control strategy re-programming of Chemical Feed Systems required for Startup and Testing in Plants A and B.

Field System Testing

- Completed Field System Testing of Dissolved Air Flotation System in Plant B.
- Completed re-testing of Chemical Systems in Plant A with revised control strategies.
- Received delivery of sodium hypochlorite and started disinfection of Plant A.

CRO-312E1

- Continued installation of conduit, cable and terminations throughout the plant.
- Continued installation of lighting fixtures on Lower and Operating Levels.
- Continued rough-in work in Foundation, Lower Level and Operating Level administrative areas.
- Continued installation of electrical ductbanks at entrance driveway.
- Completed check-out of emergency generator, switchgear and load bank.
- Continued to work a second shift.

CRO-312E2

- Continued maintenance of temporary light and power system.

CRO-312H

- Continued the installation of fixed boiler platforms and ladders.
- Continued air balancing of ductwork in chemical rooms and other rooms in the plant.
- Continued installation of HVAC supply and return piping in Arrivals and Receiving Building.
- Continued installation of louvers, ductwork, heat coils, and fans in Arrivals and Receiving Building.
- Continued installation of ductwork, registers, and insulation throughout the plant.
- Continued installation of instrumentation for HVAC systems throughout the plant.
- Continued installation and testing of temporary smoke detectors and fire smoke damper wiring modifications for fan shutdown in accordance with FDNY waiver in chemical rooms.

CRO-312P

- Disinfected potable water systems critical to startup of the plant.

- Continued installation of nozzles for NOVEC piping in chemical rooms.
- Continue hydrostatic testing of sprinkler systems.
- Continue integrity and electrical testing of NOVEC Systems.
- Started installation of fire hose racks.
- Started installation of fire pump.
- Complete installation and check functionality of gas valve actuator (Change Order CRO-312P-102).

3.0 MAJOR ACTIVITIES TO BE PERFORMED IN NEXT PERIOD

CRO-312G

Civil

- Continue installation of exterior and interior finishes.
- Continue installation of site utilities.
- Continue installation of the geofoam and soil for the green roof.
- Continue installation of the gabion walls on the east, west, and south sides of the site.
- Continue installation and stone cladding of Site Wall Nos. 1 and 3 and Arrivals and Receiving Building.
- Continue finishes throughout the plant.
- Continue installation of irrigation system on the plant roof.

Mechanical

- Continue pipe insulation in Plant A in the Pump Station.
- Continue flush procedures of the Chemical Storage Tanks in Plant A.

Instrumentation

- Continue loop checks in Plants A and B.
- Continue field calibration of instruments.

Field System Testing

- Complete Field System Testing of UV Cleaning System.
- Complete Field System Testing of Chemical Systems in Plant B.
- Start disinfection of Plant B.

CRO-312E1

- Complete testing of Emergency Generator.
- Continue installation of conduit, cable and terminations throughout the plant.
- Continue installation of lighting fixtures on Foundation and Lower Level.
- Continue rough-in work in Lower Level and Operating Level administrative areas.
- Continue to work a second shift.
- Start Article 16 acceptance testing of Operating Level Lighting.

CRO-312E2

- Continue maintenance of temporary light and power system.

CRO-312H

- Continue installation of fixed boiler platforms and ladders.
- Continue air balancing of ductwork.
- Continue installation of heat pumps, coils, fans, piping, and ductwork in the Arrivals and Receiving Building.
- Continue installation of instrumentation for HVAC systems throughout the plant.
- Continue installation of ductwork, registers, and ductwork insulation throughout the plant.

- Continued installation and testing of temporary smoke detectors and fire smoke damper wiring modifications for fan shutdown in accordance with FDNY waiver in chemical rooms.

CRO-312P

- Complete testing of eyewash stations in the plant.
- Continue installation of nozzles for NOVEC piping in chemical rooms.
- Continue hydrostatic testing of sprinkler systems.
- Continue room integrity and electrical testing of NOVEC systems.
- Continue installation of fire hose racks.
- Begin preliminary testing of fire pump.

4.0 MAJOR ISSUES

- Work to be completed prior to Plant A Startup and Testing:
 - 1) CRO-312G-417 – 30-inch SPRV (Safety Pressure Relief Valve) Modifications; negotiations complete; work is in progress and planned to be completed by November 8, 2013
 - 2) Resolve issues with UV equipment nuisance alarms; Trojan is reviewing programming to fix
 - 3) Develop and implement an Incident Action Plan for potential mechanical, electrical and chemical incidents in the plant during startup
 - 4) Completion of the delivery and installation of nozzles for the NOVEC Systems and energization of all chemical rooms
 - 5) FDNY inspection of chemical systems and tank rooms – scheduled for November 14, 2014
- Incident Action Plans (IAP) need to be developed by the Design JV and CM. The plans are to provide detailed, step by step procedures to mitigate specific incidents. The plan will address a number of potential mechanical, chemical and electrical incidents. These IAPs will be supplements to the existing site Emergency Action Plan (EAP). The existing EAP addresses injury, fire, spills and other type of emergencies. The Incident Action Plans will include a description of the possible incident, an action plan to mitigate the incident and supporting drawings and information that will allow for corrective action to be taken to isolate the source of the incident and to protect the plant.

Once the IAPs are developed, the plans will be reviewed with DEP and a Table Top Exercise will be conducted. Comments from the exercise will be incorporated into the IAPs and then training will be conducted for all members of the Startup Control Room staff.

- The CRO-312E1 contractor has worked on the chemical room change order work but has stated they will not work elsewhere on the following change orders until they are registered. While this will not affect the ability to perform startup and testing activities, it will negatively impact achieving Milestone 9 and the ability to place the Water Treatment Plant into operation. Critical change orders affected by this decision are as follows:

§ CRO-312E1-140 (Modification of Field Electrical Work Due to Smoke Detector Removal): The contractor's cost proposal which had been scheduled to be submitted by August 15, 2013, was actually received on September 3,

2013 and negotiations completed on October 2, 2013 and it has been submitted for COWO authorization.

§ CRO-312E1-144 (Modification of Smoke Detector Type and Location in HVAC Rooms): The contractor's cost proposal which had been scheduled to be submitted by August 15, 2013, was actually submitted on September 5, 2013 and negotiations were completed on November 1, 2013.

- Change Order CRO-312H-109 (Temporary Smoke Detectors for Boiler and Gas Meter Rooms) was negotiated on September 11, 2013; registration is pending. The material has been delivered to the site. The COWO is pending Comptroller approval.
- Change Order CRO-312H-110 (Combustion Air Flow Switch Instrument Change) was issued to the contractor on September 20, 2013 and negotiations are in progress. The completion of this work is not required to manually operate the boilers.
- Activation of the Gas Piping to the Boilers - Con Edison inspected the work on October 29, 2013 and approved the energization of the high and low pressure gas systems. It is estimated that Con Edison will turn on the gas within the next two weeks. The CRO-312H Contractor has scheduled an FDNY inspection for the gas detection system on November 22, 2013.
- On July 26, 2013, during Field System Testing of Plant A, a number of valve communications issues were observed that raised concerns about the long term reliability of the valve loop system. A final testing protocol to test valve communication loop reliability was sent to Skanska on October 2, 2013. Skanska successfully retested the loop communication based on the updated protocol. Skanska provided a report on the vendor's investigation of the board failure in Air Scour Valve No. 8, including diagnostics regarding information broadcasts and the reason that the Master Station did not reboot after Valve No. 8 shut down. The DJV has completed their review of this report and determined that no additional information is required and the communication between the PMCS, Master Station and valves will continue to be monitored.
- Change Order CRO-312G-368 (Modify Control Strategies) was registered on June 24, 2013. This change order included miscellaneous changes to the Control Strategies for the chemical systems followed by re-running the Field System Tests for these systems. All of the Emerson programming packages have been delivered for both Plants, with the exception of the Control Strategies for the DAF Recycle System which were modified. Pulsafeeder is currently working on issues with their reprogramming. The Field System Tests will then be completed.

Also included in this change order is compaction of the PMCS to create additional usable dynamic data block (DDB) capacity. The compaction of the system database was completed and successfully restored approximately 600 DDB. It now has to be determined if there is sufficient capacity for the known changes and to provide additional spare capacity. If there is not sufficient spare capacity, an additional server will need to be added.

- Energy Dissipating Valve (EDV) Vibration – An inspection of the Plant A Treated Water Wet Well was conducted on September 11, 2013 to investigate vibration issues with the Energy Dissipating Valves (EDVs). Change Order 312G-412 has been identified (Concrete Restraints for 30” Treated Water High Service Energy Dissipating Valve Elbows”). This item is being reviewed by DEP and the Design JV and is not required for the startup of the plant.
- NOVEC Systems – Installation of remaining nozzles in Plant A Chemical Rooms. Resolve issue with NOVEC System capacity in Room LL-020, Sodium Hydroxide Day Tank Room in Plant A. Issue change order and install flapper valves on vent lines on chemical tanks.
- A total of seventy-three (73) CRO-312 change orders have been identified to date to address Package III Architectural revisions for the above grade structures at the Water Filtration Plant. Seventy-one (71) of these change orders have been issued to date. Sixty-eight (68) Engineer’s Estimates and sixty-six (66) contractor’s cost proposals have been submitted. Negotiations for sixty-three (63) change orders have been finalized and sixty-two (62) are registered.
- The CRO-312 Contractors continue the process of performing vendor training for BWSO personnel. Three (3) Vendor Training sessions were completed in October 2013. Two (2) Vendor Training sessions are currently scheduled in November 2013 and none yet in December 2013. The status of O&M Manuals and Vendor Training is as follows:

O&M Manuals:

Contract	Number of O&M Manuals Required	Number of O&M Manuals Submitted	Number of FAS/FAC O&M Submittals	% of O&M Manuals Approved
CRO-312G	129	126	122	95%
CRO-312E1	19	16	12	63%
CRO-312E2	4	4	4	100%
CRO-312H	58	55	50	86%
CRO-312P	36	35	35	97%

Vendor Training Lesson Plans:

Contract	Number of Vendor Training Lesson Plans Required	Number of Vendor Training Lesson Plans Submitted	Number of FAS Vendor Training Lesson Plan Submittals	% Vendor Training Lesson Plan Submittals Approved (FAS)
CRO-312G	89	86	86	97%
CRO-312E1	19	10	5	26%
CRO-312E2	7	5	5	71%
CRO-312H	32	29	29	91%
CRO-312P	21	12	11	57%

Vendor Training Sessions:

Contract	Number of Vendor Training Sessions Required	Vendor Training Sessions Complete **	% Vendor Training Sessions Complete	Upcoming Vendor Training Sessions Scheduled
CRO-312G	120	113	94%	0
CRO-312E1	19	6	32%	0
CRO-312E2	4*	4	100%	0
CRO-312H	38	16	42%	0
CRO-312P	21	6	29%	2

* - 13.2kV and 4.16kV training was combined

** - Note, that some training sessions are provided separately for Classroom training and Field training. Completed sessions reflect both Classroom training and Field training has been completed.

Remaining Training Sessions (Summary of all Contracts):**Process Training**

Number of Vendor Training Sessions Remaining	2
Number of Training Days Available Until Start-up and Testing of Plants A & B (11/18/13)	10

Non-Process Training

Numbers of Vendor Training Sessions Remaining	34
Number of Training Days Available Until Commissioning Testing of Plants A & B to JPR (5/10/14)	99

Bi-weekly Training meetings are being held with all Contractors for the Contracts listed above to review training progress and outstanding issues with Training submittals and Training sessions.



CRO-312OS: OFFSITE FACILITIES

Construction of the Offsite Facilities work at Jerome Park Reservoir and Gate House No. 1 is being performed under Construction Phase CRO-312OS, which consists of four (4) prime construction contracts (CRO-312OS-G, E, H and P). Orders to Commence Work were issued on February 2, 2009 for Contracts CRO-312OS-G, E and H. Contract CRO-312OS-P was given the order to commence work on May 11, 2009. Partial Extension of Time requests were granted for CRO-312OS-G for a total of 440 days on September 23, 2013, CRO-312OS-E for a total 494 days on October 10, 2013 and CRO-312OS-P for a total of 406 days on September 23, 2013. CRO-312OS-H was granted a Partial Extension of Time for a total of 295 days on May 1, 2013 and needs to submit a new request in the near future. To date, the contractors have invoiced a total of \$125,558,001, which is 82.8% of the current budget forecast amount of \$151,596,772, and includes registered, as well as pending, change orders.

2.0 SCHEDULE

CRO-312OS Schedule Update No. 48 (with a data date of October 1, 2013) reports the completion of Milestone No. 2 (Activation of Low Service Treated Water Tunnel) on October 19, 2012, 424 consecutive calendar days later than the contract required date. Milestone No. 3 (Activation and Use of Croton Distribution Chamber) completion is forecasted for December 19, 2013, a loss of 6 days during this reporting period, 679 consecutive calendar days later than the date required in the contract. The contractor forecasts that Substantial Completion will be achieved on June 19, 2014, a loss of 42 days, and is 513 consecutive calendar days later than specified in the contract documents.

Milestone	Contract Milestone	Contractor's Forecasted Completion Update 48	Contractor's Forecast Gain\ (Loss) from Update 47	Current CM Projected Completion	CM Projection Gain\ Loss from Previous Month
M1	*	-	-	-	-
M2	8/22/2011	10/19/2012(A)	0	5/24/2013(A)	0
M3	2/9/2012	12/19/2013	(6)	1/31/2014	0
Substantial Completion	1/22/2013	6/19/2014	(42)	8/31/2014	(62)

* - work associated with Milestone M1 was deleted by Change Orders CRO-312OS-G-001 and CRO-312OS-G-004.

The contractors' CPM Update No. 48 completion date for Milestone No. 2 remains October 19, 2012, following the installation of air release valve on the low service shaft cap. The CM Milestone No. 2 completion date is May 24, 2013. The CM date is based upon completion of change order work items, including forebay wall repair in Gate House No. 5, located below the maximum water level that needed to be completed to achieve Milestone No. 2.

The critical path to Milestone No. 3 is driven by Change Order CRO-312OS-G-049 (Entry Point Monitoring System) shop drawings, fabrication, installation and testing of the Entry Point Monitoring System. The contractors' forecast date of December 19, 2013 for Milestone No. 3 represents a loss of 6 ccds this reporting period. This slip is driven by approval of sample pump shop drawings associated with Change Order CRO-312OS-G-049. The contractors schedule forecasted sample pump, and panel shop drawing comments being resolved and the pump released for fabrication by October 1, 2013. The CM projection for Milestone No. 3 completion is January 31, 2014, unchanged. The CM projection takes into account that Entry Point Monitoring sample pump and panel were released for fabrication on October 15, 2013. Furthermore, CM recognized that additional time for system testing would be required to achieve Milestone No. 3.

The contractors' forecasted date for project completion is June 19, 2014, which is a loss of forty-two (42) calendar days during this reporting period. This loss is driven by the additional Shaft 3 lead paint abatement required by DEP. This will delay the start of demolition and installation of pipe work in Shaft 3. Revision No. 2 of the Lead Abatement Plan has been reviewed and returned to the contractor on October 30, 2013. The CM's projection for achieving substantial completion is August 31, 2014. Besides paint abatement, CM also notes the following issues:

- Change Order 312OS-G-078, 30-inch Guard Valve, is now projected to be shipped on May 20, 2014. This item drives the critical path of the project completion and is responsible for the 62 days of slippage during this period.
- Shaft 3 structural framing and grating shop drawings have been on hold pending the final design of Change Order CRO-312OS-G-108 (Modify Shaft 3 Small Diameter Piping and Gratings). This change was identified on October 18, 2013. The DJV is preparing the final design based on a meeting with BWSO on October 30, 2013.
- Change Order CRO-312OS-G-103 (Additions and Relocations of Shaft 3 Instrumentation) was issued on October 11, 2013. Negotiation is pending receipt of the Engineers Estimate and the Contractors Proposal.

Major activities performed this period include:

CRO-312OS-G

- Installed sodium hypochlorite piping in Gate House No. 5.
- Waterproof concrete wall and performed chemical grouting for Emergency Bypass walls in Gate House No. 5.
- Placed flowable fill in basement of Gate House No. 6 under Change Order CRO-312OS-G-101.
- Disinfected and pressure tested west trunk water main at Goulden Avenue and returned it to service.
- Started disinfect the east trunk main at Goulden Avenue.
- Installed venturi meters and pipe spool pieces.

CRO-312OS-E

- Installed conduits and wiring for the PLC-5 relocation (under Change Order CRO-312OS-E-036) and miscellaneous electrical work (under Change Order CRO-312OS-E-038) at Gate House No. 5.
- Removed electrical wiring and devices associated with fire alarm panel in the basement of Gate House No. 6.
- Install level sensor electrical wiring in Gate House Nos. 2 & 3 under Change Order CRO-312OS-E-026.

CRO-312OS-H

- No work performed this period.

CRO-312OS-P

- No work performed this period.

3.0 MAJOR ACTIVITIES TO BE PERFORMED IN NEXT PERIOD

CRO-312OS-G

- Complete pressure testing for east trunk main in Goulden Avenue and restore Goulden Avenue pavement.
- Continue installing piping and venturi meter chambers in grass area outside Gate House No. 7.
- Restore interdiction wall around Gate House No. 5.
- Start excavation in Demonstration Plant for the exterior foundation asbestos removal work.

CRO-312OS-E

- Install conduits and wiring for the relocation of PLC-5 in Gate House No. 5.
- Install conduits and wiring in Gate House No. 5 under Change Order CRO-312OS-E-020 (Entry Point Monitoring).

CRO-312OS-H

- Test HVAC equipment in Croton Distribution Chamber.

CRO-312OS-P

- Test sump pump.

4.0 MAJOR ISSUES

· Gate House No. 1

§ 3 Phase Electric Service: The CM and Con Edison met on August 30, 2013 and October 9, 2013 to develop a plan to supply permanent 3 phase power to Gate House No. 1. Con Edison will prepare a plan detailing the new route for the permanent power and the cost. CM will review and prepare recommendation to DEP.

· Gate House No. 5 /Croton Distribution Chamber –

§ Entry Point Monitoring Equipment: Change Order CRO-312OS-G-049 Comments on the sample pump and sample pump panel shop drawings have been resolved. The pump and panel were released on October 2, and October 15, 2013 respectively. Change Order CRO-312OS-G-049R, which revises the location of sample pipe drain piping, will be identified by the DJV.

§ Sodium Hypochlorite System: Change Order CRO-312OS-G-004R2 to add the magnetic flow meters measuring the service water and chemicals was issued on October 16, 2013. Negotiations are pending receipt of the Engineers Estimate and the Contractors Proposal. This change order also

includes modifications to the monorail for the Emergency Bypass stop logs and the hoist for sump pumps.

§ Emergency Bypass Leakage: During an inspection of Gate House No. 5, a water leak was observed in the Emergency Bypass channels and the sump pump pit. The CRO-312OS-G Contractor completed corrective work on October 22, 2013 and a BWSO inspection was held on October 31, 2013.

- **South Bronx Valve Chamber (SBVC)** – Change Order CRO-312OS-G-099 to change the small valves in SBVC was issued to the CRO-312OS-G Contractor on September 25, 2013. Negotiation is pending the receipt of the Engineers Estimate. Change Order CRO-312OS-E-040 to eliminate electrical service is currently being processed by DEP for registration.
- **Gate House No. 7 Street Connections and Shaft 3 Water Main Work**
 - The west trunk main disinfection and pressure testing are complete. Final street pavement restoration is pending the completion of east trunk main pressure testing, as well as the NYCDOT permit.
 - The DEP has directed the CRO-312OS-G Contractor to perform lead paint abatement in Shaft 3. Start of this work is pending re submittal and approval of an updated work plan.
 - Interior pipe work in Shaft 3 will start after completion of lead paint abatement, the return of the east and west trunk mains to service and the shutdown of the Shaft 3 water. DEP/CM will coordinate with BWSO for the Shaft 3 water shutdown and OCMC for the partial traffic closure at Sedgwick Avenue.
 - Framing and grating under Change Order CRO-312OS-G-066 are being held up due to Change Order CRO-312OS-G-108 (Modify Shaft 3 Small Diameter Piping and Gratings). This change order was identified on October 18, 2013.
 - The east guard valve for the south riser included under Change Order CRO-312OS-G-078 was released for manufacturing on July 2, 2013. The valve manufacturer issued a fabrication schedule forecasting a shipping date of May 20, 2014. The CRO-312OS-G Contractor is in contact with the fabricator to expedite delivery.
 - Two change orders are affecting the instrumentation at Gate House No. 7 and Shaft 3. CRO-312OS-G-103 (Additions and Relocations of Shaft 3 Instrumentation) has been issued to the Contractor. CRO-312OS-E-041 (Electrical Work due to Shaft 3 Instrumentation Modifications) for Instrumentation and Signaling Changes at Shaft 3/Gate House No. 7 is being negotiated.

The CRO-312-OS Contractors have started the process of submitting O&M Manuals, and Vendor Training Lesson Plans. During October 2013, One (1) Vendor Training session was completed for BWSO personnel on the CRO-312-OS-G Contract. One (1) Training session has been scheduled in November for the CRO-312-OS-G Contract. The status of O&M Manuals and Vendor Training is as follows:

O&M Manuals:

Contract	Number of O&M Manuals Required	Number of O&M Manuals Submitted	Number of FAS/FAC O&M Submittals	% of O&M Manuals Approved
CRO-312-OS-G	46	10	7	15%
CRO-312OS-E	12	9	9	75%
CRO-312-OS-H	6	2	0	0%
CRO-312-OS-P	13	9	7	54%

Vendor Training Lesson Plans:

Contract	Number of Vendor Training Lesson Plans Required	Number of Vendor Training Lesson Plans Submitted	Number of FAS Vendor Training Lesson Plan Submittals	% Vendor Training Lesson Plan Submittals Approved (FAS)
CRO-312-OS-G	15	5	2	14%
CRO-312OS-E	8	0	0	0%
CRO-312-OS-H	5	0	0	0%
CRO-312-OS-P	7	1	0	0%

Vendor Training Sessions:

Contract	Number of Vendor Training Sessions Required	Vendor Training Sessions Complete	% Vendor Training Sessions Complete	Upcoming Vendor Training Sessions Scheduled
CRO-312-OS-G	15	1	7%	1
CRO-312OS-E	8	0	0%	0
CRO-312-OS-H	5	0	0%	0
CRO-312-OS-P	7	0	0%	0

Periodic Training meetings will be scheduled and held with all Contractors for the CRO-312-OS Contracts to review training progress and outstanding issues. The last status meetings were held on September 9, 2013 for Contract CRO-312-OS-G and on September 19 for Contract CRO-312-OS-H. The Contractors are working with the equipment vendors to obtain O&M Manuals and Training submittals, get the submittals approved and schedule the Training sessions.

CRO-312FM: RESIDUALS FORCE MAIN TO HUNTS POINT**1.0 SUMMARY**

Contract CRO-312FM for the Residuals Force Main to Hunts Point WPCP was bid on February 10, 2009. The Order to Commence Work was issued to the contractor on August 17, 2009. To date, the contractor has invoiced a total of \$2,243,079, which is 75.7% of the total current budget forecast amount of \$2,964,955 which includes registered and pending change orders.

2.0 SCHEDULE

Substantial completion of the CRO-312FM Contract was achieved on January 14, 2013 when the CRO-312FM contractor completed permanent test pit restoration (under Change Order CRO-312FM-023). Punch list work was completed on June 4, 2013.

Major activities performed this period include:

- None.

3.0 MAJOR ACTIVITIES TO BE PERFORMED IN NEXT PERIOD

- Negotiate Change Order CRO-312FM-024 (Reconciliation of Contract Item G-LS-1).
- Issue Article 44 Certificate of Substantial Completion.

4.0 MAJOR ISSUES

- None.

CRO-313: TUNNELS AND ASSOCIATED WORKS

1.0 SUMMARY

Tunnel work associated with the Water Filtration Plant construction is being performed under Contract CRO-313. The Order to Commence Work was issued on August 23, 2006. To date, the contractor has invoiced a total of \$205,645,619 which is 100% of the final contract amount and includes all registered change orders.

2.0 SCHEDULE

Substantial Completion of CRO-313 was achieved on February 25, 2011. Substantial Completion was completed 28 consecutive calendar days earlier than the Contract Milestone date of March 25, 2011.

Major activities performed this period include:

- Continuation of closeout activities by the CM.

3.0 MAJOR ACTIVITIES TO BE PERFORMED IN NEXT PERIOD

- Continuation of closeout activities by the CM.

4.0 MAJOR ISSUES

- None.

CRO-315: DEMOLITION AND MODIFICATIONS OF STRUCTURES AT JEROME PARK RESERVOIR

1.0 SUMMARY

Demolition and modifications of the structures at Jerome Park Reservoir are being performed under Construction Phase CRO-315 which consists of two prime construction contracts (CRO-315G and CRO-315E). The Orders to Commence Work were issued to the contractors on August 27, 2007. The total invoiced amount of \$4,595,472 is 100% of the final contract amount and includes all registered change orders.

2.0 SCHEDULE

Final acceptance testing of the scrubber system was completed on March 11, 2010. Substantial Completion was achieved by both the CRO-315G and CRO-315E Contractors on May 26, 2010. The one year guarantee period expired on May 25, 2011. There are no Consent Order Milestones associated with these contracts. Final Extensions of Time have been approved for both contracts.

Major activities performed this period include:

- Continuation of contract closeout activities by the CM.

3.0 MAJOR ACTIVITIES TO BE PERFORMED IN NEXT PERIOD

- Continuation of contract closeout activities by the CM.

4.0 MAJOR ISSUES

- The CRO-315G Contractor filed a claim for damages for delay with the New York City Comptroller which is still pending determination.

CONSTRUCTION / CM MILESTONE STATUS

OCTOBER 31, 2013

Version Date: 1/27/2010

Contract No.	Milestone ID	Description	Milestone Type	Original Milestone Date	Modified Milestone Date	Current Forecast Dates per:			Previous Forecast Date (per CM's Projection)	Variance from Milestone	Schedule Gain/Loss this Month
						Latest CPM Update	CM's Projection	(G2)			
(A)	(B)	(C)	(D)	(E)	(F)	(G1)	(G2)	(H)	(I)=(F)-(G2)	(J) = (H)-(G2)	
CRO-311 - Site Preparation											
CRO-311	14	Issue Notice to Proceed for Site Preparation	Consent - Major	9/10/2004	9/10/2004	9/28/2004	9/28/2004	A	9/28/2004	-18	0
CRO-311	M-0	Relocation of Golf Course Facilities (by City)	Contract	11/17/2004	11/17/2004	11/17/2004	11/17/2004	A	11/17/2004	0	0
CRO-311	M-1	Substantial Completion of Traffic Improvement Work	Contract	4/29/2005	4/29/2005	4/29/2005	4/29/2005	A	4/29/2005	0	0
CRO-311	16	Complete Traffic Improvements	Consent - Major	6/1/2005	6/1/2005	4/29/2005	4/29/2005	A	4/29/2005	33	0
CRO-311	A	Complete 25% of Excavation	Consent - Interim	12/31/2005	12/31/2005	10/7/2005	10/7/2005	A	10/7/2005	85	0
CRO-311	M-2	Complete Excavation and Disposal of 320,000 CY of Rock	Contract	1/1/2006	1/1/2006	1/12/2006	1/12/2006	A	1/12/2006	-11	0
CRO-311	B	Complete 50% of Excavation	Consent - Interim	7/1/2006	7/1/2006	3/25/2006	3/25/2006	A	3/25/2006	98	0
CRO-311	M-3	Substantial Completion of CRO-311	Contract	7/8/2007	7/8/2007	7/8/2007	7/8/2007	A	7/8/2007	2	0
CRO-311	25	Complete Site Preparation for WTP	Consent - Final	7/19/2007	7/19/2007	7/6/2007	7/6/2007	A	7/6/2007	13	0
CRO-311		Contract Closeout Complete					6/1/2010	A			
CRO-312G - Water Treatment Plant Construction - Structures and Equipment											
CRO-312G	21	Advertise for Bids for WTP	Consent - Major	6/1/2006	6/1/2006	6/1/2006	6/1/2006	A	6/1/2006	0	0
CRO-312G	23	Issue Notice to Proceed	Consent - Major	2/6/2007	2/6/2007	8/21/2007	8/21/2007	A	8/21/2007	-184	0
CRO-312G	G	Start Structural Concrete Placement for WTP	Consent - Interim	11/30/2007	11/30/2007	10/31/2007	10/31/2007	A	10/31/2007	30	0
CRO-312G	M-1	Start Structural Concrete Placement for WTP	Contract	5/11/2008	5/11/2008	10/31/2007	10/31/2007	A	10/31/2007	193	0
CRO-312G	H	Place 15% of Structural Concrete for WTP	Consent - Interim	5/31/2008	5/31/2008	5/12/2008	5/12/2008	A	5/12/2008	19	0
CRO-312G	I	Place 40% of Structural Concrete for WTP	Consent - Interim	10/31/2008	10/31/2008	11/21/2008	11/21/2008	A	11/21/2008	-21	0
CRO-312G	M-2	Place 15% of Structural Concrete for WTP	Contract	11/10/2008	11/10/2008	5/12/2008	5/12/2008	A	5/12/2008	182	0
CRO-312G	M-3	Place 40% of Structural Concrete for WTP	Contract	4/12/2009	4/12/2009	11/21/2008	11/21/2008	A	11/21/2008	142	0
CRO-312G	J	Place 65% of Structural Concrete for WTP	Consent - Interim	4/30/2009	4/30/2009	7/27/2009	7/27/2009	A	7/27/2009	-83	0
CRO-312G	M-4	Place 65% of Structural Concrete for WTP	Contract	10/10/2009	10/10/2009	7/27/2009	7/27/2009	A	7/27/2009	76	0
CRO-312G	L	Place 95% of Structural Concrete for WTP	Consent - Interim	4/15/2010	4/15/2010	4/30/2010	4/30/2010	A	4/30/2010	-15	0
CRO-312G	M-5	Place 95% of Structural Concrete for WTP	Contract	9/25/2010	9/25/2010	4/30/2010	4/30/2010	A	4/30/2010	148	0
CRO-312G	M	Complete installation of Flocculators (w/o Startup & Testing)	Consent - Interim	10/31/2010	10/31/2010	10/27/2010	10/27/2010	A	10/27/2010	4	0
CRO-312G	M-7	Complete installation of Flocculators (w/o Startup & Testing)	Contract	4/12/2011	4/12/2011	10/27/2010	10/27/2010	A	10/27/2010	167	0
CRO-312G	26	Submit Applications and Permits for Operation of the WTP (other than NYSDOH)	Consent - Major	11/1/2010	11/1/2010	NA	9/29/2010	A	9/29/2010	33	0
CRO-312G	27	Secure Approvals and Permits for Operation of WTP (other than NYSDOH)	Consent - Major	5/1/2011	5/1/2011	NA	11/19/2013		11/14/2013	-932	-4
CRO-312G	28	Substantial Completion - Begin Startup and Testing	Consent - Major	5/1/2011	5/1/2011	5/20/2014	11/18/2013		11/14/2013	-932	-4
CRO-312G	M-8	CRO-312G.E1,E2&H Begin Startup and Testing	Contract	10/11/2011	10/11/2011	5/20/2014	11/19/2013		11/14/2013	-769	-4

CONSTRUCTION / CM MILESTONE STATUS

WM-11 CROTON WATER TREATMENT PLANT

OCTOBER 31, 2013

Version Date: 1/27/2010

Contract No.	Milestone ID	Description	Milestone Type	Original Milestone Date	Modified Milestone Date	Current Forecast Dates per:		Previous Forecast Data (per CM's Projection)	Variance from Milestone	Schedule Gain/Loss this Month
						Latest CPM Update	CM's Projection			
(A)	(B)	(C)	(D)	(E)	(F)	(G1)	(G2)	(H)	(J)=(F)-(G2)	(J)=(H)-(G2)
CRO-312G	29	Submit Documentation that WTP Constructed in Accordance with Approved Design	Consent - Major	9/30/2011	9/30/2011	NA	2/24/2014	2/4/2014	-878	-20
CRO-312G	30	Obtain NYSDOH Completed Works Approval for WTP	Consent - Major	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312G	31	Commence Operation of the WTP	Consent - Final	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312G	M-9	CRO-312G,E1,E2&H Commence Operation of the WTP	Contract	4/11/2012	4/11/2012	7/19/2014	5/10/2014	4/22/2014	-759	-18
CRO-312G		Substantial Completion	Contract	4/11/2012	4/11/2012	4/7/2015	12/31/2014	12/31/2014	-994	0
CRO-312G		Contract Closeout Complete					7/1/2016			
CRO-312E1 Water Treatment Plant Construction - Electrical Work (Low Voltage)										
CRO-312E1	21	Advertise for Bids for WTP	Consent - Major	6/1/2006	6/1/2006	6/1/2006	6/1/2006	6/1/2006	0	0
CRO-312E1	C	Issue Notice to Proceed	Consent - Interim	2/8/2007	2/8/2007	8/21/2007	8/21/2007	8/21/2007	-194	0
CRO-312E1	26	Submit Applications and Permits for Operation of the WTP (other than NYSDOH)	Consent - Major	11/1/2010	11/1/2010	NA	10/27/2010	10/27/2010	5	0
CRO-312E1	27	Secure Approvals and Permits for Operation of WTP (other than NYSDOH)	Consent - Major	5/1/2011	5/1/2011	NA	11/18/2013	11/14/2013	-932	-4
CRO-312E1	N	Substantial Completion - Begin Startup and Testing	Consent - Interim	5/1/2011	5/1/2011	5/20/2014	11/18/2013	11/14/2013	-932	-4
CRO-312E1	M-8	CRO-312G,E1,E2&H Begin Startup and Testing	Contract	10/11/2011	10/11/2011	5/20/2014	11/18/2013	11/14/2013	-769	-4
CRO-312E1	29	Submit Documentation that WTP Constructed in Accordance with Approved Design	Consent - Major	9/30/2011	9/30/2011	NA	2/24/2014	2/4/2014	-878	-20
CRO-312E1	30	Obtain NYSDOH Completed Works Approval for WTP	Consent - Major	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312E1	31	Commence Operation of the WTP	Consent - Final	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312E1	M-9	CRO-312G,E1,E2&H Commence Operation of the WTP	Contract	4/11/2012	4/11/2012	7/19/2014	5/10/2014	4/22/2014	-759	-18
CRO-312E1		Substantial Completion	Contract	4/11/2012	4/11/2012	4/7/2015	12/31/2014	12/31/2014	-994	0
CRO-312E1		Contract Closeout Complete					7/1/2016			
CRO-312E2 Water Treatment Plant Construction - Electrical Work (High Voltage)										
CRO-312E2	21	Advertise for Bids for WTP	Consent - Major	6/1/2006	6/1/2006	6/1/2006	6/1/2006	6/1/2006	0	0
CRO-312E2	C	Issue Notice to Proceed	Consent - Interim	2/8/2007	2/8/2007	8/21/2007	8/21/2007	8/21/2007	-194	0
CRO-312E2	M-6	2 of 4 Primary Service Switchgears Operational	Contract	10/12/2010	10/12/2010	4/13/2011	4/13/2011	4/13/2011	-183	0
CRO-312E2	26	Submit Applications and Permits for Operation of the WTP (other than NYSDOH)	Consent - Major	11/1/2010	11/1/2010	NA	10/27/2010	10/27/2010	5	0
CRO-312E2	27	Secure Approvals and Permits for Operation of WTP (other than NYSDOH)	Consent - Major	5/1/2011	5/1/2011	NA	11/18/2013	11/14/2013	-932	-4
CRO-312E2	N	Substantial Completion - Begin Startup and Testing	Consent - Interim	5/1/2011	5/1/2011	5/20/2014	11/18/2013	11/14/2013	-932	-4
CRO-312E2	M-9	CRO-312G,E1,E2&H Begin Startup and Testing	Contract	10/11/2011	10/11/2011	5/20/2014	11/18/2013	11/14/2013	-769	-4
CRO-312E2	29	Submit Documentation that WTP Constructed in Accordance with Approved Design	Consent - Major	9/30/2011	9/30/2011	NA	2/24/2014	2/4/2014	-878	-20
CRO-312E2	30	Obtain NYSDOH Completed Works Approval for WTP	Consent - Major	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312E2	31	Commence Operation of the WTP	Consent - Final	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA

Construction CM Milestone Status

E1-2 of 4

CONSTRUCTION / CM MILESTONE STATUS

WM-11 CROTON WATER TREATMENT PLANT

OCTOBER 31, 2013

Version Date: 1/27/2010

Contract No.	Milestone ID	Description	Milestone Type	Original Milestone Date	Modified Milestone Date	Current Forecast Dates per:		Previous Forecast Date (per CM's Projection)	Variance from Milestone	Schedule Gain/Loss this Month
(A)	(B)	(C)	(D)	(E)	(F)	Latest CPM Update	CM's Projection	(H)	(I) = (F) - (G2)	(J) = (H) - (G2)
CRO-312E2	M-9	CRO-312G,E1,E2&H Commence Operation of the WTP	Contract	4/11/2012	4/11/2012	7/19/2014	5/10/2014	4/22/2014	-759	-18
CRO-312E2		Substantial Completion	Contract	4/11/2012	4/11/2012	4/7/2015	12/31/2014	12/31/2014	-994	0
CRO-312E2		Contract Closeout Complete					7/1/2016			
CRO-312H - Water Treatment Plant Construction - HVAC Work										
CRO-312H	21	Advertise for Bids for WTP	Consent - Major	6/1/2006	5/1/2006	6/1/2006	6/1/2006	6/1/2006	0	0
CRO-312H	D	Issue Notice to Proceed	Consent - Interim	2/8/2007	2/8/2007	8/21/2007	8/21/2007	8/21/2007	-194	0
CRO-312H	26	Submit Applications and Permits for Operation of the WTP (other than NYSDOH)	Consent - Major	11/1/2010	11/1/2010	NA	10/27/2010	10/27/2010	5	0
CRO-312H	27	Secure Approvals and Permits for Operation of WTP (other than NYSDOH)	Consent - Major	5/1/2011	5/1/2011	NA	11/18/2013	11/14/2013	-632	-4
CRO-312H	O	Substantial Completion - Begin Startup and Testing	Consent - Interim	5/1/2011	5/1/2011	5/20/2014	11/18/2013	11/14/2013	-632	-4
CRO-312H	M-8	CRO-312G,E1,E2&H Begin Startup and Testing	Contract	10/11/2011	10/11/2011	5/20/2014	11/18/2013	11/14/2013	-769	-4
CRO-312H	29	Submit Documentation that WTP Constructed in Accordance with Approved Design	Consent - Major	9/30/2011	9/30/2011	NA	2/24/2014	2/4/2014	-878	-20
CRO-312H	30	Obtain NYSDOH Completed Works Approval for WTP	Consent - Major	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312H	31	Commence Operation of the WTP	Consent - Final	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312H	M-9	CRO-312G,E1,E2&H Commence Operation of the WTP	Contract	4/11/2012	4/11/2012	7/19/2014	5/10/2014	4/22/2014	-759	-18
CRO-312H		Substantial Completion	Contract	4/11/2012	4/11/2012	4/7/2015	12/31/2014	12/31/2014	-994	0
CRO-312H		Contract Closeout Complete					7/1/2016			
CRO-312P - Water Treatment Plant Construction - Plumbing Work										
CRO-312P	21	Advertise for Bids for WTP	Consent - Major	6/1/2006	6/1/2006	6/1/2006	6/1/2006	6/1/2006	0	0
CRO-312P	E	Issue Notice to Proceed	Consent - Interim	12/31/2007	12/31/2007	12/31/2007	12/31/2007	12/31/2007	0	0
CRO-312P	26	Submit Applications and Permits for Operation of the WTP (other than NYSDOH)	Consent - Major	11/1/2010	11/1/2010	NA	10/27/2010	10/27/2010	5	0
CRO-312P	27	Secure Approvals and Permits for Operation of WTP (other than NYSDOH)	Consent - Major	5/1/2011	5/1/2011	NA	11/18/2013	11/14/2013	-932	-4
CRO-312P	P	Substantial Completion - Begin Startup and Testing	Consent - Interim	5/1/2011	5/1/2011	5/20/2014	11/18/2013	11/14/2013	-932	-4
CRO-312P	M-8	CRO-312P Begin Startup and Testing	Contract	3/8/2011	3/3/2011	5/20/2014	11/18/2013	11/14/2013	-963	-4
CRO-312P	29	Submit Documentation that WTP Constructed in Accordance with Approved Design	Consent - Major	9/30/2011	9/30/2011	NA	2/24/2014	2/4/2014	-878	-20
CRO-312P	30	Obtain NYSDOH Completed Works Approval for WTP	Consent - Major	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312P	31	Commence Operation of the WTP	Consent - Final	10/31/2011	10/31/2011	NA	TBD	TBD	NA	NA
CRO-312P	M-9	CRO-312P Commence Operation of the WTP	Contract	9/30/2011	9/30/2011	7/19/2014	5/10/2014	4/22/2014	-853	-18
CRO-312P		Substantial Completion	Contract	4/11/2012	4/11/2012	4/7/2015	12/31/2014	12/31/2014	-994	0
CRO-312P		Contract Closeout Complete					7/1/2016			
CRO-312OS-G - Off-Site Facilities - Structures and Equipment										
CRO-312OS-G	M-1	NCA Shutdown Work (Not Applicable)	Contract	8/5/2010	NA	NA	NA	NA	NA	NA
CRO-312OS-G	M-2	Activate Low Service Treated Water Tunnel	Contract	8/22/2011	8/22/2011	10/19/2012	5/24/2013	5/24/2013	-641	0

CONSTRUCTION / CM MILESTONE STATUS

WM-11 CROTON WATER TREATMENT PLANT
OCTOBER 31, 2013
Version Date: 1/27/2010

Contract No.	Milestone ID	Description	Milestone Type	Original Milestone Date	Modified Milestone Date	Current Forecast Dates per:		Previous Forecast Date (per CM's Projection)	Variance from Milestone	Schedule Gain/Loss this Month
						Latest CPM Update	CM's Projection			
(A)	(B)	(C)	(D)	(E)	(F)	(G1)	(G2)	(H)	(J) = (F)-(G2)	(J) = (H)-(G2)
CRO-3120S-G	M-3	Activate/Use Shaft and Meter Chamber	Contract	2/9/2012	2/9/2012	12/19/2013	1/31/2014	1/31/2014	-722	0
CRO-3120S-G		Substantial Completion	Contract	1/22/2013	1/22/2013	6/19/2014	8/31/2014	8/30/2014	-586	-62
CRO-3120S-G		Contract Closeout Complete					3/1/2016			
CRO-3120S-E Off-Site Facilities - Electrical Work										
CRO-3120S-E	M-2	Activate Low Service Treated Water Tunnel	Contract	8/22/2011	8/22/2011	10/19/2012	5/24/2013	5/24/2013	-641	0
CRO-3120S-E	M-3	Activate/Use Shaft and Meter Chamber	Contract	2/9/2012	2/9/2012	12/19/2013	1/31/2014	1/31/2014	-722	0
CRO-3120S-E		Substantial Completion	Contract	1/22/2013	1/22/2013	6/19/2014	8/31/2014	8/30/2014	-586	-62
CRO-3120S-E		Contract Closeout Complete					3/1/2016			
CRO-3120S-H Off-Site Facilities - HVAC Work										
CRO-3120S-H	M-3	Activate/Use Shaft and Meter Chamber	Contract	2/9/2012	2/9/2012	12/19/2013	1/31/2014	1/31/2014	-722	0
CRO-3120S-H		Substantial Completion	Contract	1/22/2013	1/22/2013	6/19/2014	8/31/2014	8/30/2014	-586	-62
CRO-3120S-H		Contract Closeout Complete					3/1/2016			
CRO-3120S-P Off-Site Facilities - Plumbing Work										
CRO-3120S-P	M-3	Activate/Use Shaft and Meter Chamber	Contract	3/30/2011	3/30/2011	10/14/2013	11/30/2013	10/31/2013	-876	-30
CRO-3120S-P		Substantial Completion	Contract	8/20/2012	8/20/2012	10/14/2013	11/30/2013	10/31/2013	-467	-30
CRO-3120S-P		Contract Closeout Complete					8/1/2015			
CRO-312FM Residuals Proc Main to Hunts Point										
CRO-312FM		Substantial Completion	Contract	3/20/2011	3/20/2011	N/A	1/14/2013	1/14/2013	-666	0
CRO-312FM		Contract Closeout Complete					7/16/2014			
CRO-313 Water Tunnels and Associated Works										
CRO-313	18	Advertise for Bids for CRO-313	Consent - Major	12/30/2005	12/30/2005	12/30/2005	12/30/2005	12/30/2005	0	0
CRO-313	22	Issue Notice to Proceed CRO-313	Consent - Major	8/30/2008	8/30/2008	8/23/2008	8/23/2008	8/23/2008	7	0
CRO-313	M-1	Complete Excavation for Treated Water Shaft	Contract	6/23/2007	6/23/2007	6/6/2007	6/6/2007	6/6/2007	17	0
CRO-313	F	Complete Excavation for Treated Water Tunnel Shaft	Consent - Interim	6/30/2007	6/30/2007	6/6/2007	6/6/2007	6/6/2007	24	0
CRO-313	M-2	Complete Excavation to Raw and Treated Water Connections	Contract	8/31/2009	8/31/2009	12/3/2008	12/3/2008	12/3/2008	271	0
CRO-313	K	Complete Excavation to Raw and Treated Water Connections	Consent - Interim	9/30/2009	9/30/2009	1/22/2009	1/22/2009	1/22/2009	251	0
CRO-313	M-3	Substantial Completion	Contract	3/25/2011	3/25/2011	1/27/2011	2/25/2011	2/25/2011	28	0
CRO-313	Q	Start-Up and Testing	Consent - Final	5/1/2011	5/1/2011	1/27/2011	1/18/2013	1/14/2013	-932	-4
CRO-313		Contract Closeout Complete					7/6/2012			
CRO-3160 Demolition and Modifications of Structures at Jerome Park Reservoir - Structures and Equipment										
CRO-315G		Substantial Completion	Contract	2/25/2009	2/25/2009	5/26/2010	5/26/2010	5/26/2010	-455	0
CRO-315G		Contract Closeout Complete					12/27/2011			
CRO-315E										
CRO-315E		Substantial Completion	Contract	2/25/2009	2/25/2009	5/26/2010	5/26/2010	5/26/2010	-455	0
CRO-315E		Contract Closeout Complete					12/8/2011			

WM-11 CROTON WATER TREATMENT PLANT

OCTOBER 31, 2013

Version Date: 06/29/2009

EXHIBIT 2a

COST SUMMARY REPORT

Number of Construction Contractor Field Personnel On Site: **355**

Number of Construction Contractor Office Personnel On Site: **72**

Number of Consultant CM Personnel On Site: **73**

Number of DEP Personnel On Site: **4**

Contract Number	Contractor Name	Original Contract Price	Registered Change Orders	Pending Change Orders Negotiated ¹	Pending Change Orders NOT Negotiated ²	Current Budget Forecast	Amount Paid to Date	Remaining Budget Forecast	% Cur. Budget Forecast Paid to Date
(A)	(B)	(C)	(D)	(E)	(F)	(G)=C+D+E+F	(H)	(I)=G-H	(J)=H/G
CRO-311	Schiavone Construction Co.	\$ 127,860,000	\$ (14,445,214)	\$ -	\$ -	\$ 113,214,786	\$ 113,214,786	\$ -	100.0%
CRO-311		\$ 127,860,000	\$ (14,445,214)	\$ -	\$ -	\$ 113,214,786	\$ 113,214,786	\$ -	100.0%
CRO-311 Total Approved CP Amount: (K1)						\$ 152,997,000	(see note 3)		
Balance: (L1=K1-G1)						\$ 39,782,214			
CRO-312G	Skanska/Tully, JV	\$ 1,327,700,000	\$ 185,290,181	\$ 1,893,763	\$ 2,781,914	\$ 1,527,485,558	\$ 1,331,447,255	\$ 196,018,303	87.2%
CRO-312E1	Schlesinger-Siemens, LLC	\$ 134,680,000	\$ 30,824,999	\$ 10,228,152	\$ 11,965,753	\$ 187,698,874	\$ 116,191,488	\$ 71,507,386	61.9%
CRO-312E2	Schlesinger-Siemens, LLC	\$ 37,978,000	\$ 10,381,889	\$ -	\$ -	\$ 48,059,889	\$ 39,130,008	\$ 8,929,881	81.4%
CRO-312H	Durr Mechanical Construction	\$ 105,700,000	\$ 28,498,763	\$ 626,312	\$ 114,641	\$ 134,939,717	\$ 118,398,870	\$ 16,539,847	87.7%
CRO-312P	Picone/WDF, JV	\$ 58,475,000	\$ 15,591,674	\$ 95,941	\$ 84,262	\$ 74,248,877	\$ 68,641,409	\$ 5,605,468	92.5%
CRO-312		\$ 1,664,233,000	\$ 280,587,476	\$ 12,844,168	\$ 14,946,271	\$ 1,972,410,915	\$ 1,673,870,029	\$ 298,540,885	84.9%
CRO-312 Total Approved CP Amount: (K2)						\$ 1,990,583,826	Balance: (L2=K2-G2)		
						\$ 18,174,911			
CRO-312OS-G	Picone-Schiavone, JV	\$ 98,842,500	\$ 33,880,220	\$ (152,652)	\$ 376,581	\$ 130,945,648	\$ 108,588,643	\$ 22,357,005	82.9%
CRO-312OS-E	Eldor Electric	\$ 15,762,500	\$ 2,779,397	\$ 65,016	\$ 58,489	\$ 18,683,399	\$ 15,598,270	\$ 3,085,128	83.8%
CRO-312OS-H	AWL Industries	\$ 822,000	\$ 56,971	\$ -	\$ -	\$ 878,971	\$ 448,643	\$ 430,328	51.0%
CRO-312OS-P	JPP Plumbing	\$ 872,000	\$ 235,756	\$ -	\$ -	\$ 1,107,755	\$ 942,445	\$ 165,311	85.1%
CRO-312OS		\$ 114,299,000	\$ 36,952,342	\$ (87,637)	\$ 433,067	\$ 151,596,772	\$ 125,558,001	\$ 26,038,772	82.8%
CRO-312OS Total Approved CP Amount: (K3)						\$ 154,373,227	Balance: (L3=K3-G3)		
						\$ 2,776,455			
CRO-312FM	Maspeith Supply Co. LLC	\$ 18,026,745	\$ (15,138,445)	\$ -	\$ (523,345)	\$ 2,964,955	\$ 2,243,079	\$ 721,876	75.7%
CRO-312FM		\$ 18,026,745	\$ (15,138,445)	\$ -	\$ (523,345)	\$ 2,964,955	\$ 2,243,079	\$ 721,876	75.7%
CRO-312FM Total Approved CP Amount: (K4)						\$ 35,749,210	Balance: (L4=K4-G4)		
						\$ 35,784,255			
CRO-313	Schiavone/Picone, JV	\$ 212,227,000	\$ (6,581,381)	\$ -	\$ -	\$ 205,645,619	\$ 205,645,618	\$ 0	100.0%
CRO-313		\$ 212,227,000	\$ (6,581,381)	\$ -	\$ -	\$ 205,645,619	\$ 205,645,618	\$ 0	100.0%
CRO-313 Total Approved CP Amount: (K5)						\$ 233,467,700	Balance: (L5=K5-G5)		
						\$ 27,822,081			
CRO-315G	Angelakis Construction Corp.	\$ 3,641,000	\$ 2,282	\$ -	\$ -	\$ 3,643,282	\$ 3,643,282	\$ -	100.0%
CRO-315E	Interphase Electric	\$ 807,317	\$ 144,874	\$ -	\$ -	\$ 952,191	\$ 952,191	\$ -	100.0%
CRO-315		\$ 4,448,317	\$ 147,155	\$ -	\$ -	\$ 4,595,472	\$ 4,595,472	\$ -	100.0%
CRO-315 Total Approved CP Amount: (K6)						\$ 4,979,985	Balance: (L6=K6-G6)		
						\$ 384,513			
CRO-312CE	Con Edison	\$ 4,074,526	\$ -	\$ -	\$ -	\$ 4,074,526	\$ 2,716,351	\$ 1,358,175	66.7%
CRO-312CE		\$ 4,074,526	\$ -	\$ -	\$ -	\$ 4,074,526	\$ 2,716,351	\$ 1,358,175	66.7%
CRO-312CE Total Approved CP Amount: (K7)						\$ 4,074,526	Balance: (L7=K7-G7)		
						\$ -			
Totals		\$ 2,145,568,568	\$ 281,521,934	\$ 12,556,532	\$ 14,885,982	\$ 2,454,503,046	\$ 2,127,783,337	\$ 326,719,709	86.7%

1. Column E is the total of negotiated amount or forced amount of the change orders which are negotiated but not registered.

2. Column F is the total of higher amount between Engineer's estimate and Contractor's proposal for all not-negotiated change orders. Order of magnitude estimates are also included, if available.

3. CP Amount for CRO-311 includes \$18.6 Million for DEP/DPR MOU.

CONSTRUCTION MANAGEMENT CONTRACT
ESTIMATE AT COMPLETIONWM-11 CROTON WATER TREATMENT PLANT
OCTOBER 31, 2013
Version Date: 07/29/10Design Contract No.: HED-54504
Report Period End: 10/31/2013

WORK BREAKDOWN STRUCTURE (By Contract Series then by Task)				BUDGET				ACTUAL ESTIMATE				FORECAST			VARIANCE			
Contract Series	Lifecycle Stage	Task No.	Description	Original Contract Price	Registered Change Orders	Adjusted Contract Price	Pending Change Orders	Current Budget Forecast	Amount Paid to Date (thru 7/31/2013)	Work Completed Not Paid (thru 7/31/2013)	% Incurred Based on Budget Forecast	Physical % Complete	Estimate to Complete (ETC)	Estimate at Completion (EAC)	Projected Expenditures for Next 12 Months	Contract Price Surplus/(Deficit) at Completion	Forecast Budget Surplus/(Deficit) at Completion	Forecast Contract Surplus/(Deficit) in Next 12 Months
				(A)	(B)	(C)=(A+B)	(D)	(E) = C+D	(F)	(G)	(H)=(F+G)/E	(I)	(J)	(K) = F + G + J	(K')	(L) = C - K	(M) = E - K	(N) = C - (F + G + K')
CONSTRUCTION MANAGEMENT SERVICES																		
		1	Project Management	\$17,400,000	\$461,399	\$16,938,602	\$0	\$16,943,602	\$14,075,946	\$0	83%	81%	\$2,872,657	\$16,948,602	\$2,872,657	\$0	\$0	\$0
		2	Resident Engineering Inspection	\$46,000,000	\$52,244,123	\$107,244,123	\$0	\$107,244,123	\$101,830,993	\$0	95%	91%	\$6,418,199	\$107,244,122	\$6,413,189	\$0	\$0	\$0
		4	Subcontracted Services and ODCs	\$1,000,000	\$10,784,074	\$11,784,074	\$0	\$11,784,074	\$10,859,348	\$0	92%	81%	\$924,725	\$11,784,074	\$924,725	\$0	\$0	\$0
		5	Supplemental Services	\$0	\$4,134,198	\$4,134,198	\$0	\$4,134,198	\$3,658,450	\$0	96%	81%	\$168,749	\$4,134,199	\$168,749	\$0	\$0	\$0
TOTAL				\$63,400,000	\$76,710,898	\$140,110,898	\$0	\$140,110,998	\$130,731,678	\$0	93%	81%	\$9,379,320	\$140,110,999	\$9,379,320	\$0	\$0	\$0
								OP Amount	\$ 146,270,555									
								Balance	\$ 6,159,037									

EXHIBIT 3
ISSUES AND TASKS MEETING LOG

WM-11 CROTON WATER TREATMENT PLANT
OCTOBER 31, 2013
Version Date: 06/29/2009

Project	ID date	Issue	By Who?	Next Action	Notes
CRO-312 Construction Issues					
312.C.100	9/6/2012	Coordinate a plan to complete Plants A and B.	SE / S/T JV	Refine startup and testing schedule.	The last startup meeting was held on 10/30/2013.
312.C.101	10/5/2012	Electrical Completion of Auxiliary and Security Systems	SE / URS/MP	Finalize change orders for security system allowance work.	Change Order CRO-312E1-131 was rejected by EAO and was cancelled and will be replaced with multiple smaller lump sum change orders. Change Order CRO-312E1-148 was negotiated on 9/4/2013 for CCTV, Access Control and Ethernet Work. Change Order CRO-312E1-156 for additional infrastructure for plant security system was identified on 9/10/2013.
312.C.102	4/5/2013	Temporary Waiver Request for the Boiler and Gas Meter Rooms	CRO-312 Contractors / M&E/H&S	Complete work needed to comply with waiver.	Con Edison completed the inspection of the high and low pressure gas piping on October 29, 2013. It is estimated that Con Edison will turn on the gas service within the next two weeks.
312.C.103	4/5/2013	CRO-312E1 and CRO-312H Contractors Not Proceeding with Change Order Work Prior to Registration.	SE	Process COWOs as appropriate.	On July 24, 2013 the CRO-312 Contractor changed their position that they will not perform change order work prior to registration. CRO-312H has also stated they will not work on T&M change orders due to recent issues with Line H deductions.
312.C.104	8/1/2013	Valve Loop Communication Issues	Skanska/Tully	Perform valve loop reliability testing	STV successfully retested the loop communication based on the updated protocol and submitted a report. DIV has reviewed the report and determined that no additional information is needed at this time. Valve loops will continue to be monitored.
312.C.105	10/31/2013	Incident Action Plans	URS/MP / M&E/H&S	Develop plan for review by DEP.	Plans to be developed to provide detailed, step by step procedures to mitigate specific incidents, including potential mechanical, chemical and electrical incidents.
312.C.106	10/31/2013	UV Equipment Nuisance Alarms	Skanska/Tully / Trojan	Resolve issues with alarms.	Trojan is reviewing programming.
312.C.107	10/31/2013	NOVEC Systems	Skanska/Tully / Trojan	Complete installation of nozzles and energize system in chemical rooms.	Resolve issues with system capacity in Room LL-020, Sodium Hypochlorite Dat Tank Room
312.C.108	10/31/2013	Temporary Smoke Detectors for Boiler and Gas Meter Rooms	DEP / Durr	Authorize COWO and complete installation of system.	COWO is pending Comptroller approval. The material has been delivered to the site.
312.C.109	10/31/2013	FDNY Inspection of Chemical Systems and Tank Rooms	FDNY / URS/MP	Perform FDNY inspection	Inspection scheduled for November 14, 2013.
CRO-312 Design Issues					
312.D.100	10/5/2012	Communications Issues between Valve Loops and Master Stations	M&E/H&S	Complete design for revised valve loops.	DEP has determined that the valve loops will be split after the entire plant has been commissioned. Change Orders CRO-312G-399 and CRO-312G-400 were identified on 7/5/2013. Change Order CRO-312G-399 issued on 10/22/2013. Change Order CRO-312G-400 needs to be issued.
312.D.101	12/5/2012	Smoke Detectors Inaccessibility for Installation and Future Maintenance	M&E/H&S / SE	Receive Contractor's Proposals for CRO-312E1-139, CRO-312E1-140 CRO-312E1-144, and CRO-312H-100.	The CRO-312E1 contractor has chosen not to work on these three change orders prior to registration and it will impact the completion date for the Contract Milestone No. 9. CRO-312E1-139 was negotiated and authorized as COWO #14. Change Order CRO-312E1-140 was negotiated on 10/2/2013 and has been submitted as a COWO. Change Order CRO-312E1-144 was negotiated on 10/30/2013 and is pending BEDC review. There are insufficient funds remaining to process this change order as a COWO.
312.D.102	1/31/2013	Modifications to Control Strategies	Skanska/Tully	Complete Change order CRO-312G-368 work. STJV to implement revisions to chemical systems and pulsafeder pumps.	Pulsafeder programming and re-running the Field System Tests is planned to be completed by 11/6/2013 in Plant A.
312.D.103	6/7/2013	PMCS System Capacity	M&E/H&S	Determine if there is sufficient PMCS system capacity to complete control strategy revisions and for additional spare capacity.	The compaction of the system database was completed and successfully restored approximately 600 DDB. It now has to be determined if there is sufficient capacity for the known changes and to provide additional spare capacity. If there is not sufficient spare capacity, an additional server will need to be added.

EXHIBIT 3
ISSUES AND TASKS MEETING LOG

WM-11 CROTON WATER TREATMENT PLANT
OCTOBER 31, 2013
Version Date: 06/29/2009

Project	ID date	Issue	By Who?	Next Action	Notes
312.D.104	10/31/2013	Energy Dissipating Valves	DEP / M&E/H&S	Investigate vibration issues.	Change Order CRO-312G-412 has been identified for this issue. DEP and DIV are reviewing this item. Not required for startup.
CRO-312FM Construction Issues					
312FM.C.100	9/29/2010	Revision to Force Main Route	URS/MP	Draft and negotiate closeout change orders.	The contractor has not submitted their cost proposal for Change Order CRO-312FM-024 (Reconciliation of Contract Item G-LS-1). Change Order CRO-312FM-027 to reconcile remaining items to be drafted.
CRO-312OS Construction Issues					
312OS.C.100	10/5/2012	Hair line cracks in the existing east bronze guard valve at Shaft 3	DEP / Picone Schiavone / M&E/H&S	Register Change Order CRO-312OS-G-078. Fabricate guard valve.	The Guard Valve Included under Change Order CRO-312OS-G-078 for the South Riser inside Shaft 3 was released for manufacturing on July 2, 2013. This valve requires an estimated 6 months of lead time and also requires a Shaft 3 shutdown for the installation.
312OS.C.102	4/24/2012	Shaft 3 Concrete Plugs, Piping, Platform Work and Roof Beam Plank	Picone Schiavone / URS/MP / M&E/H&S	Perform CRO-312OS-G-053 and CRO-312OS-G-066 work.	Both change orders are registered. The Shaft 3 work has been re-sequenced to start after the completion of the Goulden Avenue Gate House No. 7 street connections and remediation work in Shaft 3. DIV to address additional issues with platforms and piping.
CRO-312OS Design Issues					
312OS.D.100	8/5/2011	3-phase power to Gate House No. 1 required for new sluice gates	DEP	Finalize plans to bring permanent 3 phase power to Gate House No. 1.	DEP and CM met with Con Edison and a new plan and cost estimate to bring 3-phase power to Gate House No. 1 is being developed.
312OS.D.101	1/2/2013	Entry Point Monitoring System	M&E/H&S	Draft Change Order CRO-312OS-G-049R	A change order is needed to compensate the contractor for additional instrumentation work required by Change Order CRO-312OS-G-049 shop drawing comments. The CRO-312OS-G Contractor has released the instruments for fabrication.
312OS.D.102	1/2/2013	Shaft 3 and South Bronx Valve Chamber Valve Actuators	M&E/H&S / Picone	Register CRO-312OS-G-089 and perform work. Draft additional change order to address issues (if required).	DEP has decided to replace all butterfly valve actuators installed (and to be installed) in Shaft 3 and South Bronx Valve Chamber with Limitorque actuators. Change Order CRO-312OS-G-089 has been negotiated and sent to DEP for registration. Another change order may be required to address additional issues.

EXHIBIT 4 CORRESPONDENCE VARIANCE REPORT (UNANSWERED > 14 DAYS)

WM-11 CROTON WATER TREATMENT PLANT
OCTOBER 31, 2013
Version Date: 06/29/2009

Report Date: 10/31/2013
Total Pieces of Correspondence Generated to Date = 7,327
Total Pieces of Correspondence Processed to Date = 7,299

Number of Pieces of Correspondence open for 14 days or less (as of Report Date) = 12

Contract Number (A)	Letter No. (B)	Memo No. (C)	Addressee (Organization) (D)	Subject (E)	Date Received (F)	Elapsed Time (Days) (G) = Report Date - (F)
CRO-312E1		CM-CRO-312E1-00318	URS/MP	Reply to URS's Comments on Schedule Updates 54, 55, 56 and 57 CRO-312-GEN-FM 144, 145, 151 and 154	7/24/2013	99
CRO-312E1	CRO-312E1-00886		NYCDEP	DEP Letter dated July 5, 2013 regarding Croton Project Schedule Update 57	7/27/2013	96
CRO-312E1		CM-CRO-312E1-00319	URS/MP	Final U58 Schedule Narrative	7/30/2013	93
CRO-312P		CM-CRO-312P-076	URS/MP	Change Order Request Novco Fire Systems	7/31/2013	92
CRO-312E1		CM-CRO-312E1-00329	URS/MP	Rainwater Damage Response to Field Memo CRO-312E1-FM-816	8/23/2013	99
CRO-312E1	CRO-312E1-00857		NYCDEP	DEP letter dated February 19, 2013 regarding Croton Project Schedule Update 52	8/28/2013	85
CRO-312OS-G	CRO-312OS-G-438		NYCDEP	Submission of Site Safety Representative for Approval	9/13/2013	48
CRO-312P		CM-CRO-312P-080	URS/MP	Article 16 Request Air Compressor	9/17/2013	44
CRO-312E2	CRO-312E2-00394		NYCDEP	CRO-312E2 Subcontractor Update Request	9/18/2013	43
CRO-312E1	CRO-312E1-00908		NYCDEP	CRO-312E1 Subcontractor Update Request	9/24/2013	36
CRO-312H		CM-CRO-312H-204	URS/MP	Stop Work on Insulation Letter No. 6	9/24/2013	36
CRO-312E1		CM-CRO-312E1-00343	URS/MP	Response to URS FM CRO-312E1-FM-638 Submission of Commodity Adjustment - Detailed Specification 01272 Contract E1 (purchases up to August 4, 2011)	9/27/2013	33
CRO-312E1	CRO-312E1-00910		URS/MP	Article 11 NOD U61C Schedule Update	10/1/2013	30
CRO-312E1		CM-CRO-312E1-00347	URS/MP	Obstructed Conduit Caused by Concrete Coring	10/3/2013	28
CRO-312H		CM-CRO-312H-206	URS/MP	CRO-312-GEN-FM-172 Work Above Wave Ceilings	10/9/2013	27
CRO-312E1		CM-CRO-312E1-00352	URS/MP	Change Order Request for Miscellaneous Items	10/9/2013	21

Notes:

EXHIBIT 5

RFI VARIANCE REPORT (RESPONSE > 14 DAYS)

WM-11 CROTON WATER TREATMENT PLANT OCTOBER 31, 2013

Version Date: 06/29/2009

Report Date: 10/31/2013
 Total Number of RFIs Generated to Date = 4,840
 Total Number of RFIs Processed to Date = 4,838

Number of open RFIs in process for 14 days or less (as of Report Date) = 2

Contract No. (A)	RFI No. (B)	Subject (C)	Date Initiated (D)	CM Approval Date (E)	Responsible Party (F)	Date Submitted to Responsible Party (G)	Elapsed Time (Days) (H) = Report Date - (D)	Potential CPM Impact (Y/N) (I)
-No RFI Open over 14 days-								

Notes:

EXHIBIT 6

RFC VARIANCE REPORT (RESPONSE > 14 DAYS)

Report Date: 10/31/2013
 Total Number of RFCs Generated to Date = 1,281
 Total Number of RFCs Processed to Date = 1,272

Number of open RFCs in process for 14 days or less (as of Report Date) = 8

WM-11 CROTON WATER TREATMENT PLANT
 OCTOBER 31, 2013
 Version Date: 06/29/2009

Contract No.	RFC No.	Subject	Date Initiated	Responsible Party	Date Submitted to Responsible Party	Elapsed Time (Days)	Potential CPM Impact (Y/N)
CRO-312G	RFC-312G-424	Valve Failure Loop Testing	10/9/2013	M&E/H&S	10/9/2013	22	Y

Notes:

EXHIBIT 7

SHOP DRAWING REVIEW VARIANCE REPORT (RESPONSE > 14 DAYS)

WM-11 CROTON WATER TREATMENT PLANT

OCTOBER 31, 2013

Version Date: 06/29/2008

Report Date:

10/31/2013

Total Number of Shop Drawing Submittals Generated to Date = 28,514

Total Number of Shop Drawing Processed to Date = 28,476

Number of open Shop Drawing Submittals in process for 14 days or less (as of Report Date) = 33

Contract No. (A)	Submittal No. (B)	Description (C)	Date Received by Design Engineer (D)	Elapsed Time (Days) (E) = Report Date - (D)	Potential CPM Impact (Y/N) (F)
CRO-312H	01781-001.1	GRO-312H Spare Parts List	10/24/2013	20	
CRO-312G	12500-001.1	Office Furniture	10/28/2013	16	
CRO-312G	07600-016.0	Pipe Penetration Firestopping Through Plank Ceilings (RFC-141)	10/29/2013	15	
CRO-312H	15830-051.0	Aerovent Fans - Startup Package A1 and A2 Verification Forms	10/29/2013	15	
CRO-312H	15750-024.0	Dectron CRAC - Startup Package No.2 A1 and A2 Verification Forms	10/29/2013	15	

Notes:

EXHIBIT 8

SUBCONTRACTOR APPROVAL VARIANCE REPORT (APPROVAL > 30 DAYS)

WM-11 CROTON WATER TREATMENT PLANT

OCTOBER 31, 2013

Version Date: 06/29/2009

Report Date: 10/31/2013

Total Number of Subcontractor Approval Requests Generated to Date = 466

Total Number of Subcontractor Approvals to Date = 466

Number of open Subcontractor Approval Requests in Process for 30 days or less (as of Report Date) = 0

Contract No. (A)	Subcontractor (B)	Specialty (C)	Date CM Received Subcontractor Approval Request (mm/dd/yyyy) (D)	Date CM Sends Subcontractor Approval Request to ACCO (mm/dd/yyyy) (E)	Elapsed Time (Days) (F) = Report Date - (D)	Potential CPM Impact (Y/N) (G)
-No Subcontractor open over 30 days-						

Notes:

EXHIBIT 9

MANUFACTURER/SUPPLIER APPROVAL VARIANCE REPORT (APPROVAL > 30 DAYS)

WM-11 CROTON WATER TREATMENT PLANT
OCTOBER 31, 2013

Version Date: 09/30/2009

Report Date:

10/31/13

Number of Manufacturer/ Supplier Open Requests in Process for

Total Number of Requests for Manufacturer/ Supplier Approval to Date = 3,441

30 days or less (as of Report Date) = 0

Total Number of Manufacturer/ Supplier Approvals to Date = 3,441

Contract No. (A)	Manufacturer or Supplier (B)	Product Type/Name (C)	Submittal Date (D)	Elapsed Time (Days) (E) = Report Date - (D)	Potential CPM Impact (Y/N) (F)
-No Vendors open over 30 days-					

Notes:

EXHIBIT 10

CHANGE ORDER VARIANCE REPORT

WM-11 CROTON WATER TREATMENT PLANT
OCTOBER 31, 2013

Contract	Change Order Number	Description	Type	Pending Step	Target	Duration	Current Variance	Reason for Delay
CRO-312E1	090	Electrical Work Associated with Relocation of Panels in Chemical Rooms	NMSC	Price Negotiated	15	371	356	Negotiations in progress
CRO-312E1	110	Electrical Modifications for Above Grade Lighting	NMSC	Price Negotiated	15	217	202	Negotiations in progress
CRO-312E1	120	Fiber Optic Cabling and Power Modifications for new Telephone VOIP and Office Computer Network	NMSC	Price Negotiated	15	86	71	Negotiations in progress
CRO-312E1	137	Interim Operation and Maintenance of Electrical Equipment	FC	Contractor Proposal	20	106	85	Pending receipt of Cost Proposal
CRO-312E1	144	Modification of Smoke Detector Type and Location in HVAC Rooms	DE	Price Negotiated	15	56	41	Negotiations in progress
CRO-312E1	145	Electrical Modifications to Accommodate Changes Made by CRO-312G-365	DE	Contractor Proposal	20	87	67	Pending receipt of Cost Proposal
CRO-312E1	146	Provide Additional Panelboard LP-46A and Associated Re-circuiting	DE	Price Negotiated	15	28	13	Negotiations in progress
CRO-312E1	148	Electrical Modifications for Pump Station Transfer Car Re-orientation	DE	Price Negotiated	15	43	28	Negotiations in progress
CRO-312E1	149	Security Distribution Frame (SDF) Power Modifications	FC	Contractor Proposal	20	71	51	Pending receipt of Cost Proposal
CRO-312E1	150	Electrical Work for Fire Protection Tamper Switches in the Arrivals and Receiving Building	DO	Price Negotiated	15	43	28	Negotiations in progress
CRO-312E1	151	Provide Additional Circuit for HVAC Programmable Logic Controller for Arrivals and Receiving Building	DE	Price Negotiated	15	20	5	Negotiations in progress
CRO-312E1	152	Lighting Protection Modifications for Guard Booth Canopy and Netting Poles	NMSC	Contractor Proposal Engineer's Estimate	20	50	30	Pending receipt of Cost Proposal and Engineer's Estimate
CRO-312E1	153	Disconnect Switch and Replace Modifications for Electrical Shop and Machine Shop Equipment	DE	Contractor Proposal	20	78	58	Pending receipt of Cost Proposal
CRO-312E1	154	Remove Electrical Work for Substation Control Room Air Conditioners Nos. 7337 and 7338	DE	Contractor Proposal Engineer's Estimate	20	42	22	Pending receipt of Cost Proposal and Engineer's Estimate
CRO-312E1	155	Additional Electrical Work for Emergency Eyewash Showers added in CO CRO-312F-099	DO	Contractor Proposal	20	50	30	Pending receipt of Cost Proposal
CRO-312E1	156	Additional Infrastructure for Plant Security System	FC	Change Order Drafted	25	51	26	Pending Draft by CM
CRO-312E1	157	Additional Circuits for Chemical Fill Station Heat Tracing	DO	Contractor Proposal	20	34	14	Pending receipt of Cost Proposal
CRO-312E1	158	Field Electrical Work to Replace Level Switch in Acid Bulk Storage Tanks Overflow Section	DE	Contractor Proposal	20	24	4	Pending receipt of Cost Proposal
CRO-312FM	024	Reconciliation of Contract Item G-LS-1	DE	Contractor Proposal	20	226	206	Pending receipt of Cost Proposal
CRO-312FM	027	Reconciliation of Change Orders CRO-312FM-019 and CRO-312FM-023	DE	Change Order Drafted	25	193	174	Pending Draft by CM
CRO-312G	400	Conduit and Cable Modifications due to Modification of Valve Loops 3 & 4	NMSC	Change Order Drafted	25	118	93	Pending Draft by Design JV
CRO-312G	403	Provide Hardware and Connections at Croton WFP for Encryption of Data between Gate House No.5 and Croton WFP	NMSC	Change Order Drafted	25	83	68	Pending Draft by Design JV
CRO-312G	406	Modification to Canopy Structure at Police Booth	DE	Contractor Proposal Engineer's Estimate	20	28	8	Pending receipt of Cost Proposal and Engineer's Estimate

EXHIBIT 10

CHANGE ORDER VARIANCE REPORT

WM-11 CROTON WATER TREATMENT PLANT
OCTOBER 31, 2013

Contract	Change Order Number	Description	Type	Pending Step	Target	Duration	Current Variance	Reason for Delay
CRO-312G	408	Corrosion Protection at Netting Pole Interiors and Addition of Netting Support Tabs	DE	Engineer's Estimate	20	21	1	Pending receipt of Engineer's Estimate
CRO-312G	410	Re-route Storm Water Drain Pipe Between Manhole MH-7A and MH-7B	FC	Price Negotiated	15	20	5	Negotiations in progress
CRO-312G	412	Concrete Restraints for 30-inch Treated Water High Service Energy Dissipating Valve Elbows	DE	Change Order Drafted	25	41	16	Pending Draft by Design JV
CRO-312G	414	Additional Test Pits Related to Grimshaw Design Package 4	NMSC	Contractor Proposal	20	27	7	Pending receipt of Cost Proposal
CRO-312H	083	Modify Heating Equipment in the Arrival & Receiving and Chemical Fill Buildings	DE	Contractor Proposal	20	518	498	Pending receipt of Cost Proposal
CRO-312H	084	Delete Local Disconnect Switches for Exhaust and Supply Fan Dampers	FC	Price Negotiated	15	427	412	Negotiations in progress
CRO-312H	092	HVAC Related Adjustments; Relocate Thermostat; Modify Type of Disconnect Switches and Modify Type of Pressure Switches	DE/NMSC	Contractor Proposal	20	350	330	Pending receipt of Cost Proposal
CRO-312H	105	Fire Smoke Damper Shutdown and Purge	DO	Change Order Drafted	25	127	102	Pending Draft by CM
CRO-312H	107	Remove Substation Control Room Air Conditioners # 7337 and # 7338	DE	Price Negotiated	15	29	14	Negotiations in progress
CRO-312H	113	Delete of Chemical Fill Building Programmable Logic Controller and Relocation of Police Booth Programmable Logic Controller	DE	Change Order Drafted	25	36	11	Pending Draft by Design JV
CRO-312OS-G	099	Modifications to South Bronx Valve Chamber	DE	Contractor Proposal Engineer's Estimate	20	36	16	Pending receipt of Cost Proposal and Engineer's Estimate
CRO-312OS-G	103	Additions and Relocations of Shaft 3 Instrumentation	NMSC	Contractor Proposal Engineer's Estimate	20	31	11	Pending receipt of Cost Proposal and Engineer's Estimate
CRO-312OS-G	106	Provide Security Grilles for Gate House 7 Windows	NMSC	Change Order Drafted	25	43	18	Pending Draft by Design JV
CRO-312OS-G	107	Delete Demolition of Microstrainer Building	FC	Contractor Proposal	20	22	2	Pending receipt of Cost Proposal
CRO-312P	097	Removal and Re-installation of Dry Chemical Piping in Chemical Fill Building Ammonia Room	FC	Contractor Proposal	20	69	49	Pending receipt of Cost Proposal
CRO-312P	098	Split Switch for Hot Water Heater Gas Flues	ADM	Contractor Proposal	20	70	50	Pending receipt of Cost Proposal
CRO-312P	101	Controlled Inspection of Automatic Sprinkler System	DO	Change Order Drafted	25	42	17	Pending Draft by CM
CRO-312P	103	Plumbing Modifications to Accommodate Changes made by Change Order CRO-312G-395	DE	Change Order Drafted	25	29	4	Pending Draft by Design JV

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT OCTOBER 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRO-312G
Contractor: Skanska-Tully Joint Venture
Project: Croton Water Treatment Plant
Distribution:
Original: BEDC EHS Compliance
cc: Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Reg Mgr

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting- Spills on City lands or related to contract operations													
Total number of reportable/non-incident spills or releases	1	0	0	0	0	0	1	0	0	0			
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0			
Total non-reportable	1	0	0	0	0	0	1	0	0	0			
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0			
Total due to human error	0	0	0	0	0	0	0	0	0	0			
Other cause	1	0	0	0	0	0	1	0	0	0			
CONTRACTOR Recordable Injuries (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	2	0	0	0	1	0	0	0	1	0			
Total Hours Worked	315,565	33,286	32,605	36,860	34,248	33,423	36,253	36,330	32,716	39,844			
Recordable Injury Incidence Rate	1.27	-	-	-	-	-	-	-	6.11	0			
Time Lost/Restricted - Days	49	0	0	0	29	20	0	0	0	0			
Total number of cases involving DART	1	0	0	0	1	0	0	0	0	0			
Fatalities	0	0	0	0	0	0	0	0	0	0			
Exceedences - Permits - Permit exceedences, such as wastewater, air, waste removed (facility and wastewater treatment plant)													
Total Exceedences	0	0	0	0	0	0	0	0	0	0			
Air	0	0	0	0	0	0	0	0	0	0			
Water	0	0	0	0	0	0	0	0	0	0			
Wastewater	0	0	0	0	0	0	0	0	0	0			
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DEC, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0			
Total Federal	0	0	0	0	0	0	0	0	0	0			
Total State	0	0	0	0	0	0	0	0	0	0			
- DEC NOVs	0	0	0	0	0	0	0	0	0	0			
- DOH NOVs	0	0	0	0	0	0	0	0	0	0			
- DOL NOVs	0	0	0	0	0	0	0	0	0	0			
-Other state NOVs	0	0	0	0	0	0	0	0	0	0			
Total Local	0	0	0	0	0	0	0	0	0	0			
- FDNY NOVs	0	0	0	0	0	0	0	0	0	0			
- DOB NOVs	0	0	0	0	0	0	0	0	0	0			
-Other local NOVs	0	0	0	0	0	0	0	0	0	0			
NOVs by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0			
Environmental - Water	0	0	0	0	0	0	0	0	0	0			
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0			
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0			
Safety - Construction	0	0	0	0	0	0	0	0	0	0			
Safety - Operations	0	0	0	0	0	0	0	0	0	0			
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	1	0	0	0	0	0	0	0	1	0			
Tons generated	0.025	0	0	0	0	0	0	0	0.025	0			

Note: October 2013 EHS metrics are due November 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT OCTOBER 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: GRO-312E1
Contractor: Schlesinger-Siemens Electrical Joint Venture
Project: Croton Water Treatment Plant
Distribution:
Original: BEDC EHS Compliance
cc: Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Reg Mgr

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting- Spills on City lands or related to contract operations													
Total number of reportable/non-incidental spills or releases	2	0	1	0	0	0	1	0	0	0			
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0			
Total non-reportable	2	0	1	0	0	0	1	0	0	0			
Total due to equipment failure	1	0	0	0	0	0	1	0	0	0			
Total due to human error	1	0	1	0	0	0	0	0	0	0			
Other cause	0	0	0	0	0	0	0	0	0	0			
CONTRACTOR Reportable Injuries- (OSHA 360 Reports, line lost)													
Total number of Recordable Injuries	4	0	1	0	1	0	0	0	2	0			
Total Hours Worked	311,464	42,336	40,944	40,208	41,424	37,280	30,262	27,696	26,088	25,226			
Recordable Injury Incidence Rate	2.57	0	4.88	0	4.83	0	0	0	15.33	0.00			
Time Lost/Restricted - Days	175	0	17	31	21	0	0	0	46	60			
Total number of cases involving DART	3	0	1	0	0	0	0	0	2	0			
Fatalities	0	0	0	0	0	0	0	0	0	0			
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal facility and wastewater treatment plants)													
Total Exceedances	0	0	0	0	0	0	0	0	0	0			
Air	0	0	0	0	0	0	0	0	0	0			
Water	0	0	0	0	0	0	0	0	0	0			
Wastewater	0	0	0	0	0	0	0	0	0	0			
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DOB, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0			
Total Federal	0	0	0	0	0	0	0	0	0	0			
Total State	0	0	0	0	0	0	0	0	0	0			
- DEC NOV's	0	0	0	0	0	0	0	0	0	0			
- DOH NOV's	0	0	0	0	0	0	0	0	0	0			
- DOL NOV's	0	0	0	0	0	0	0	0	0	0			
-Other state NOV's	0	0	0	0	0	0	0	0	0	0			
Total Local	0	0	0	0	0	0	0	0	0	0			
- FDNY NOV's	0	0	0	0	0	0	0	0	0	0			
- DOB NOV's	0	0	0	0	0	0	0	0	0	0			
-Other local NOV's	0	0	0	0	0	0	0	0	0	0			
NOV's by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0			
Environmental - Water	0	0	0	0	0	0	0	0	0	0			
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0			
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0			
Safety - Construction	0	0	0	0	0	0	0	0	0	0			
Safety - Operations	0	0	0	0	0	0	0	0	0	0			
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0	0			
Tons generated	0	0	0	0	0	0	0	0	0	0			

Note: October 2013 EHS metrics are due November 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT OCTOBER 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRG-312E2
Contractor: Schlesinger-Siemens Electrical Joint Venture
Project: Croton Water Treatment Plant
Distribution:
Original: BEDC EHS Compliance
cc: Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Reg. Mgr

PERFORMANCE INDICATORS

Indicator	Year to Date 13	June-13	Feb-13	Mar-13	Apr-13	May-13	June-13	July-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting- Spills on City lands or related to contract operations													
Total number of reportable/non-incident spills or releases	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0	0	0	0
Total non-reportable	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to human error	0	0	0	0	0	0	0	0	0	0	0	0	0
Other cause	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACTOR Recordable Injuries- (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours Worked	13,182	2,066	1,786	1,894	1,678	1,808	1,776	720	32	1,422			
Recordable Injury Incidence Rate	0	-	-	-	-	-	-	-	-	-			
Time Lost/Restricted - Days	0	0	0	0	0	0	0	0	0	0	0	0	0
Total number of cases involving DART	0	0	0	0	0	0	0	0	0	0	0	0	0
Fatalities	0	0	0	0	0	0	0	0	0	0	0	0	0
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal facility and wastewater treatment plant(s)													
Total Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0
Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Wastewater	0	0	0	0	0	0	0	0	0	0	0	0	0
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DOE, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Federal	0	0	0	0	0	0	0	0	0	0	0	0	0
Total State	0	0	0	0	0	0	0	0	0	0	0	0	0
- DEC NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOH NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOL NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other state NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Local	0	0	0	0	0	0	0	0	0	0	0	0	0
- FDNY NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOB NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other local NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
NOVs by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Construction	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Operations	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0	0	0	0	0
Tons generated	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: October 2013 EHS metrics are due November 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT OCTOBER 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRO-312H
Contractor: Durr Mechanical Construction
Project: Croton Water Treatment Plant
Distribution:
Original:
cc: BEDC EHS Compliance
Resident Engineer
Resident Engineer, DEP Project Manager, BEDC EHS Reg Mg

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting- Spills on City lands or related to contract operations													
Total number of reportable/non-incident spills or releases	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0	0	0	0
Total non-reportable	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to human error	0	0	0	0	0	0	0	0	0	0	0	0	0
Other cause	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACTOR Recordable Injuries- (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	1	0	0	0	0	0	0	1	0	0	0	0	0
Total Hours Worked	61,220	8,757	7,319	7,500	7,760	5,853	6,544	5,927	5,713	5,447			
Recordable Injury Incidence Rate	3.27	0	0	0	0	0	0	35.74	0	0			
Time Lost/Restricted - Days	60	0	0	0	0	0	0	0	31	29			
Total number of cases involving DART	1	0	0	0	0	0	0	1	0	0			
Fatalities	0	0	0	0	0	0	0	0	0	0			
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal facility and wastewater treatment plants)													
Total Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0
Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Wastewater	0	0	0	0	0	0	0	0	0	0	0	0	0
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DOB, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Federal	0	0	0	0	0	0	0	0	0	0	0	0	0
Total State	0	0	0	0	0	0	0	0	0	0	0	0	0
- DEC NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOH NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOL NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other state NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Local	0	0	0	0	0	0	0	0	0	0	0	0	0
- FDNY NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOB NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other local NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
NOVs by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Construction	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Operations	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0	0	0	0	0
Tons generated	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: October 2013 EHS metrics are due November 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT OCTOBER 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRO-312P
Contractor: WDF-Picone Joint Venture
Project: Croton Water Treatment Plant
Distribution:
Original:
cc: BEDC EHS Compliance
Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Rep, Ms

PERFORMANCE INDICATORS

Indicator	Year to Date 13	June-13	Feb-13	Mar-13	Apr-13	May-13	June-13	July-13	Aug-13	Sept-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting- Spills on City Lands or related to contract operations													
Total number of reportable/non-incident spills or releases	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0	0	0	0
Total non-reportable	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to human error	0	0	0	0	0	0	0	0	0	0	0	0	0
Other cause	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACTOR Recordable Injuries- (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours Worked	22,792	2,613	2,168	2,596	2,680	3,451	3,787	1,716	1,657	2,125.5			
Recordable Injury Incidence Rate	0	-	-	-	-	-	-	-	-	-			
Time Lost/Restricted - Days	0	0	0	0	0	0	0	0	0	0			
Total number of cases involving DART	0	0	0	0	0	0	0	0	0	0			
Fatalities	0	0	0	0	0	0	0	0	0	0			
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal (facility and wastewater treatment plants)													
Total Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0
Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Wastewater	0	0	0	0	0	0	0	0	0	0	0	0	0
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DQB, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Federal	0	0	0	0	0	0	0	0	0	0	0	0	0
Total State	0	0	0	0	0	0	0	0	0	0	0	0	0
- DEC NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOH NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOL NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other state NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Local	0	0	0	0	0	0	0	0	0	0	0	0	0
- FDNY NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOB NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other local NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
NOVs by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Construction	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Operations	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0	0	0	0	0
Tons generated	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: October 2013 EHS metrics are due November 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT OCTOBER 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRO-3120S-G
Contractor: Picone-Schiavone Joint Venture
Project: Off-Site Services
Distribution:
Original: BEDC EHS Compliance
cc: Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Reg Mg

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jun-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting: Spills on City lands or related to contract operations													
Total number of reportable/non-incident spills or releases	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0	0	0	0
Total non-reportable	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to human error	0	0	0	0	0	0	0	0	0	0	0	0	0
Other cause	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACTOR Recordable Injuries - (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours Worked	41,974.3	4,432	2,852	5,689	5,220	5,560.5	4,039	4,654.5	5,930.5	3,597.0			
Recordable Injury Incidence Rate	0.00	-	-	-	-	-	-	-	-	-			
Time Lost/Restricted - Days	0	0	0	0	0	0	0	0	0	0	0	0	0
Total number of cases involving DART	0	0	0	0	0	0	0	0	0	0	0	0	0
Fatalities	0	0	0	0	0	0	0	0	0	0	0	0	0
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal facility and wastewater treatment plants													
Total Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0
Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Wastewater	0	0	0	0	0	0	0	0	0	0	0	0	0
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DOB, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Federal	0	0	0	0	0	0	0	0	0	0	0	0	0
Total State	0	0	0	0	0	0	0	0	0	0	0	0	0
- DEC NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOH NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOL NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other state NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Local	0	0	0	0	0	0	0	0	0	0	0	0	0
- FDNY NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOB NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other local NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV's by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Construction	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Operations	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	1	0	0	0	0	0	0	0	1	0	0	0	0
Tons generated	0.8	0	0	0	0	0	0	0	0.8	0	0	0	0

Note: October 2013 EHS metrics are due November 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT OCTOBER 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: GRO-3120S-E
Contractor: Eldor Electric, LLC
Project: Off-Site Services
Distribution:
Original: BEDC EHS Compliance
cc: Resident Engineer

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting- Spills on City lands or related to contract operations													
Total number of reportable/non-incidental spills or releases	0	0	0	0	0	0	0	0	0	0			
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0			
Total non-reportable	0	0	0	0	0	0	0	0	0	0			
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0			
Total due to human error	0	0	0	0	0	0	0	0	0	0			
Other cause	0	0	0	0	0	0	0	0	0	0			
CONTRACTOR Recordable Injuries: (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	2	1	1	0	0	0	0	0	0	0			
Total Hours Worked	2,111.5	570	303	165	136	51.5	175	118	350	243			
Recordable Injury Incidence Rate	189	-	-	-	-	-	-	-	-	-			
Time Lost/Restricted - Days	1	0	1	0	0	0	0	0	0	0			
Total number of cases involving DART	1	0	1	0	0	0	0	0	0	0			
Penalties	0	0	0	0	0	0	0	0	0	0			
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal (facility and wastewater treatment plants)													
Total Exceedances	0	0	0	0	0	0	0	0	0	0			
Air	0	0	0	0	0	0	0	0	0	0			
Water	0	0	0	0	0	0	0	0	0	0			
Wastewater	0	0	0	0	0	0	0	0	0	0			
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DEC, FDOT, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0			
Total Federal	0	0	0	0	0	0	0	0	0	0			
Total State	0	0	0	0	0	0	0	0	0	0			
- DEC NOV's	0	0	0	0	0	0	0	0	0	0			
- DOH NOV's	0	0	0	0	0	0	0	0	0	0			
- DOL NOV's	0	0	0	0	0	0	0	0	0	0			
-Other state NOV's	0	0	0	0	0	0	0	0	0	0			
Total Local	0	0	0	0	0	0	0	0	0	0			
- EDNY NOV's	0	0	0	0	0	0	0	0	0	0			
- DOB NOV's	0	0	0	0	0	0	0	0	0	0			
-Other local NOV's	0	0	0	0	0	0	0	0	0	0			
NOV's by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0			
Environmental - Water	0	0	0	0	0	0	0	0	0	0			
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0			
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0			
Safety - Construction	0	0	0	0	0	0	0	0	0	0			
Safety - Operations	0	0	0	0	0	0	0	0	0	0			
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0	0			
Tons generated	0	0	0	0	0	0	0	0	0	0			

Note: October 2013 EHS metrics are due November 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT OCTOBER 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRC-3120S-H
Contractor: AVL Industries
Project: Off-Site Services
Distribution:
Original: BEDC EHS Compliance
cc: Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Rep. Mgr

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting: Spills on City lands or related to contract operations													
Total number of reportable/non-incidental spills or releases	0	0	0	0	0	0	0	0	0	0			
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0			
Total non-reportable	0	0	0	0	0	0	0	0	0	0			
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0			
Total due to human error	0	0	0	0	0	0	0	0	0	0			
Other cause	0	0	0	0	0	0	0	0	0	0			
CONTRACTOR Recordable Injuries - OSHA 360 reports, time lost													
Total number of Recordable Injuries	0	0	0	0	0	0	0	0	0	0			
Total Hours Worked	420	84	0	0	273	63	0	0	0	0			
Recordable Injury Incidence Rate	0	-	-	-	-	-	-	-	-	-			
Time Lost/Restricted - Days	0	0	0	0	0	0	0	0	0	0			
Total number of cases involving DART	0	0	0	0	0	0	0	0	0	0			
Fatalities	0	0	0	0	0	0	0	0	0	0			
Exceedances - Permits - Permit exceedences, such as wastewater, air, waste removal facility and wastewater treatment plants													
Total Exceedances	0	0	0	0	0	0	0	0	0	0			
Air	0	0	0	0	0	0	0	0	0	0			
Water	0	0	0	0	0	0	0	0	0	0			
Wastewater	0	0	0	0	0	0	0	0	0	0			
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DOB, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0			
Total Federal	0	0	0	0	0	0	0	0	0	0			
Total State	0	0	0	0	0	0	0	0	0	0			
-DEC NOV's	0	0	0	0	0	0	0	0	0	0			
-DOH NOV's	0	0	0	0	0	0	0	0	0	0			
-DOL NOV's	0	0	0	0	0	0	0	0	0	0			
-Other state NOV's	0	0	0	0	0	0	0	0	0	0			
Total Local	0	0	0	0	0	0	0	0	0	0			
-FDNY NOV's	0	0	0	0	0	0	0	0	0	0			
-DOB NOV's	0	0	0	0	0	0	0	0	0	0			
-Other local NOV's	0	0	0	0	0	0	0	0	0	0			
NOV's by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0			
Environmental - Water	0	0	0	0	0	0	0	0	0	0			
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0			
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0			
Safety - Construction	0	0	0	0	0	0	0	0	0	0			
Safety - Operations	0	0	0	0	0	0	0	0	0	0			
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0	0			
Tons generated	0	0	0	0	0	0	0	0	0	0			

Note: October 2013 EHS metrics are due November 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT OCTOBER 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRO-3120S-P
Contractor: John P. Ploone Plumbing
Project: Off-Site Services
Distribution: BEDC EHS Compliance
Original: Resident Engineer
cc: Resident Engineer, DEP Project Manager, BEDC EHS Reg Mg

PERFORMANCE INDICATORS

Indicator	Year to Date 13	June-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting - Spills on City lands or related to contract operations													
Total number of reportable/non-incident spills or releases	0	0	0	0	0	0	0	0	0	0			
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0			
Total non-reportable	0	0	0	0	0	0	0	0	0	0			
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0			
Total due to human error	0	0	0	0	0	0	0	0	0	0			
Other cause	0	0	0	0	0	0	0	0	0	0			
CONTRACTOR Recordable Injuries - (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	0	0	0	0	0	0	0	0	0	0			
Total Hours Worked	384	125	5	3	67	140	20	0	0	24			
Recordable Injury Incidence Rate	0	-	-	-	-	-	-	-	-	-			
Time Lost/Restricted - Days	0	0	0	0	0	0	0	0	0	0			
Total number of cases involving DART	0	0	0	0	0	0	0	0	0	0			
Fatalities	0	0	0	0	0	0	0	0	0	0			
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal (facility and wastewater treatment plants)													
Total Exceedances	0	0	0	0	0	0	0	0	0	0			
Air	0	0	0	0	0	0	0	0	0	0			
Water	0	0	0	0	0	0	0	0	0	0			
Wastewater	0	0	0	0	0	0	0	0	0	0			
Notices of Violations/Classifications - Environmental, Health & Safety - OSHA, DOE, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0			
Total Federal	0	0	0	0	0	0	0	0	0	0			
Total State	0	0	0	0	0	0	0	0	0	0			
- DEC NOV's	0	0	0	0	0	0	0	0	0	0			
- DOH NOV's	0	0	0	0	0	0	0	0	0	0			
- DOL NOV's	0	0	0	0	0	0	0	0	0	0			
- Other state NOV's	0	0	0	0	0	0	0	0	0	0			
Total Local	0	0	0	0	0	0	0	0	0	0			
- FDNY NOV's	0	0	0	0	0	0	0	0	0	0			
- DOB NOV's	0	0	0	0	0	0	0	0	0	0			
- Other local NOV's	0	0	0	0	0	0	0	0	0	0			
NOV's by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0			
Environmental - Water	0	0	0	0	0	0	0	0	0	0			
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0			
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0			
Safety - Construction	0	0	0	0	0	0	0	0	0	0			
Safety - Operations	0	0	0	0	0	0	0	0	0	0			
Waste Management - Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0	0			
Tons generated	0	0	0	0	0	0	0	0	0	0			

Note: October 2013 EHS metrics are due November 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT OCTOBER 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: CRQ-312FM
Contractor: Maspeth Supply Company
Project: Force Main
Distribution:
Original: BEDC EHS Compliance
cc: Resident Engineer
Electronic cc: Resident Engineer, DEP Project Manager, BEDC EHS Reg Mgr

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting- Spills on City lands or related to contract operations													
Total number of reportable/non-reportable spills or releases	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0	0	0	0
Total non-reportable	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to human error	0	0	0	0	0	0	0	0	0	0	0	0	0
Other cause	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACTOR Recordable Injuries- (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours Worked	1,008	1,008	0	0	0	0	0	0	0	0	0	0	0
Recordable Injury Incidence Rate	0	-	-	-	-	-	-	-	-	-	-	-	-
Time Lost/Restricted - Days	0	0	0	0	0	0	0	0	0	0	0	0	0
Total number of cases involving DART	0	0	0	0	0	0	0	0	0	0	0	0	0
Fatalities	0	0	0	0	0	0	0	0	0	0	0	0	0
Exceedances - Permits - Permit exceedances, such as wastewater, air, waste removal (facility and wastewater treatment plants)													
Total Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0
Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Wastewater	0	0	0	0	0	0	0	0	0	0	0	0	0
Notices of Violations/Citations - Environmental Health & Safety - OSHA, DOE, FDOT, etc													
Total Violations received	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Federal	0	0	0	0	0	0	0	0	0	0	0	0	0
Total State	0	0	0	0	0	0	0	0	0	0	0	0	0
- DEC NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOH NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOL NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other state NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Local	0	0	0	0	0	0	0	0	0	0	0	0	0
- FDNY NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOB NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other local NOV's	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV's by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Construction	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Operations	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0	0	0	0	0
Tons generated	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: October 2013 EHS metrics are due November 10, 2013 and were not available at the time this report was produced.

EXHIBIT 11 EHS PERFORMANCE

WM-11 CROTON WATER TREATMENT PLANT OCTOBER 31, 2013

Department of Environmental Protection
Bureau of Engineering Design & Construction
Environmental Health and Safety Compliance

Contract No.: HED-646CM
Contractor: URS/ Malcolm Pirnie
Project: CM for Croton Water Treatment Plant and Off-Site Services
Distribution: BEDC EHS Compliance
Original: Resident Engineer
cc: Resident Engineer, DEP Project Manager, BEDC EHS Rep Mo

PERFORMANCE INDICATORS

Indicator	Year to Date 13	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
Environmental Releases & Reporting- Spills on City lands or related to contract operations													
Total number of reportable/non-incidentals spills or releases	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Reportable to DEC	0	0	0	0	0	0	0	0	0	0	0	0	0
Total non-reportable	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to equipment failure	0	0	0	0	0	0	0	0	0	0	0	0	0
Total due to human error	0	0	0	0	0	0	0	0	0	0	0	0	0
Other cause	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACTOR Recordable Injuries- (OSHA 300 reports, time lost)													
Total number of Recordable Injuries	1	0	0	0	0	0	0	0	0	0	0	0	0
Total Hours Worked	134,082	16,176	15,449	15,621	16,556	16,176	14,186	13,762	13,632	12,525			
Recordable Injury Incidence Rate	1.49	-	-	-	-	-	-	-	-	15.97			
Time Lost/Restricted - Days	2	0	0	0	0	0	0	0	0	2			
Total number of cases involving DART	1	0	0	0	0	0	0	0	0	1			
Fatalities	0	0	0	0	0	0	0	0	0	0			
Exceedances - Permits - Permit exceedences, such as wastewater, air, waste removal (facility and wastewater treatment plant)													
Total Exceedences	0	0	0	0	0	0	0	0	0	0	0	0	0
Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Wastewater	0	0	0	0	0	0	0	0	0	0	0	0	0
Notices of Violations/Citations - Environmental, Health & Safety - OSHA, DOE, FDNY, etc.													
Total Violations received	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Federal	0	0	0	0	0	0	0	0	0	0	0	0	0
Total State	0	0	0	0	0	0	0	0	0	0	0	0	0
- DEC NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOH NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOL NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other state NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Local	0	0	0	0	0	0	0	0	0	0	0	0	0
- FDNY NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
- DOB NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other local NOVs	0	0	0	0	0	0	0	0	0	0	0	0	0
NOVs by Category													
Environmental - Air	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Hazardous Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental - Storage Tanks	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Construction	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety - Operations	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste Management- Hazardous Waste Generation													
Total No. of Remedial Projects	0	0	0	0	0	0	0	0	0	0	0	0	0
Tons generated	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: October 2013 EHS metrics are due November 10, 2013 and were not available at the time this report was produced.



PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Application Submission	Permit Application Submission Date Estimated	Permit Application Submission Date Actual	Days to Required Application Approval	Permit Application Approval Date Required	Permit Application Approval Date Actual	Permit Expiration Date	Permit Status
18163	FDNY	Hazardous Chemicals	None Assigned	Chemical storage tanks for chemicals other than Sodium Hypochlorite at the Water Treatment Plant. <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Gerard Cox	-31	2013-09-26		-1	2013-10-28			Identified
				Permit application has been submitted									
3265	FDNY	Fire Alarm Inspection Letter of Approval	None Assigned	Approval of installation of fire alarm system at the Water Treatment Plant. <Comment>: Permit due dates are adjusted each month based on changes to project schedule. *No Expiration Date Required*	Martha Allewicz	4	2013-11-02		64	2014-01-01			Identified
3264	NYCDOB	Self-Certification of Plumbing Inspection/Test	None Assigned	Installation of plumbing at the Water Treatment Plant - Picon/WDF. <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Robert Goldin	13	2013-11-11		33	2013-12-01			Identified
18060	USEPA	Spill Prevention, Control and Countermeasure Plan	None Assigned	Plan for NYCDOP operations. <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Kevin Caccamise	62	2013-12-30		83	2013-12-31			Identified
10663	NYCDOB	Self-Certification of Plumbing Inspection/Test	None Assigned	Installation of boilers at WTP	Robert Goldin			2011-04-12	-150	2013-06-01			Submitted
3252	NYCDOB	Electrical Permit (Form ED-16A)	Y138423	Temporary construction for CRO-312G. <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Jeffrey Smalls					2007-11-30	2010-11-30	-1064	Obtained/Compliance
3255	NYCDOB	Electrical Permit (Form ED-16A)	Y139566	Temporary construction and general wiring for CRO-312G. <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Gene Humphreys					2007-12-11	2010-12-11	-1053	Obtained/Compliance
3256	NYCDOB	Electrical Permit (Form ED-16A)	Y139597	Temporary construction and general wiring for CRO-312G. <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Paul Kleinberg					2007-12-12	2010-12-12	-1052	Obtained/Compliance
3257	NYCDOB	Electrical Permit (Form ED-16A)	Y140447	General wiring for CRO-312G. <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Paul Kleinberg					2008-02-15	2011-02-15	-987	Obtained/Compliance

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3258	NYCDOB	Electrical Permit (Form ED-16A)	Y140598	Temporary construction and general wiring for CRO-312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Gene Humphreys							2011-02-26	-976	Obtained/Compliance
3259	NYCDOB	Electrical Permit (Form ED-16A)	Y140737	Temporary construction for CRO-312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Jeffrey Snalls							2011-03-07	-967	Obtained/Compliance
3260	NYCDOB	Electrical Permit (Form ED-16A)	Y141202	Temporary construction for CRO-312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Jeffrey Snalls							2011-04-02	-941	Obtained/Compliance
3261	NYCDOB	Electrical Permit (Form ED-16A)	Y141529	Temporary construction and general wiring for CRO-312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Gene Humphreys							2011-04-24	-918	Obtained/Compliance
6441	NYCDPR	Permit to perform work on Parks Property	X-18-10 NF	Provides new electric service to NYCDPR's clubhouse and maintenance buildings via the Standler Recreation Area access road. <Comment>: Work is completed. An inspection must be completed and as-built submitted in order to close out permit.	Lawrence Graff			2010-07-20				2011-05-28	-885	Obtained/Compliance
3262	NYCDOB	Electrical Permit (Form ED-16A)	Y143324	Temporary construction and general wiring for CRO-312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Gene Humphreys							2011-08-25	-796	Obtained/Compliance
5038	NYCDOB	Electrical Permit (Form ED-16A)	Y145894	Temporary construction and temporary light and power for CRO-312H <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Paul Kleinberg							2012-03-18	-690	Obtained/Compliance
3263	NYCDOB	Electrical Permit (Form ED-16A)	Y145895	Temporary construction and temporary light and power for CRO-312P <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Paul Kleinberg							2012-03-18	-590	Obtained/Compliance

PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Application Submission	Permit Application Submission Date	Actual Date	Days to Required Application Approval	Permit Application Approval Date	Permit Expiration Date	Days to Expiration	Permit Status
12091	NYCDOB	Electrical Permit (Form ED-16A)	Y 147843	Temporary light and power for Contract 312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Gene Humphreys					2009-08-04	2012-08-04	-481	Obtained/Compliance
6195	NYCDOB	Electrical Permit (Form ED-16A)	Y148441	Mounting of equipment only for Contract CRO-312G <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Paul Kleinberg					2009-08-21	2012-08-21	-403	Obtained/Compliance
6194	NYCDOB	Electrical Permit (Form ED-16A)	Y148442	Mounting of equipment only for Contract CRO-312H <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Paul Kleinberg					2009-08-21	2012-08-21	-403	Obtained/Compliance
3246	NYCDEP	Construction Activity Variance - Noise Abatement	CAV-07-002	Required for construction of Contract CRO-312G for 6 AM start <Comment>: Request to continue 6 AM start work sent to NYCDEP on 2/12/13. No reply from NYCDEP.	Harold Miller					2007-10-16	2013-03-31	-212	Obtained/Compliance
7880	NYCDOB	Electrical Permit (Form ED-16A)	Y150788	General wiring for CRO-312P <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Stanley Smith					2010-04-07	2013-04-07	-205	Obtained/Compliance
7839	NYCDEP	Sewer Use Permit	SCX 098/10	Site connection to sewer <Comment>: Work is completed. Closeout tasks have not yet been completed.	Donald Spiegel					2011-07-28	2013-07-28	-93	Obtained/Compliance
8609	NYCDOB	Electrical Permit (Form ED-16A)	Y 152637	Temporary construction for Contract E1 (E1 Electric) <Comment>: NYCDOB Chief Electrical Inspector identified that the permit will stay open until the temporary work is completed.	Robert Mann					2010-08-24	2013-08-24	-86	Obtained/Compliance
8528	NYCDOB	Electrical Permit (Form ED-16A)	Y 152854	General wiring for Contract CRO-312E2 (New York Electrical Power)	Arthur Grossman					2010-08-14	2013-08-14	-45	Obtained/Compliance
8525	NYCDOB	Electrical Permit (Form ED-16A)	Y 152900	General wiring for Contract CRO-312E2 (Angel Electric)	Daniel Hernandez					2010-08-16	2013-08-16	-43	Obtained/Compliance
14049	NYSDEC	State Pollution Discharge Elimination System Permit (NY-2C) for Industrial Discharges	NY-0200859	Discharge start-up water to the blow-off at Shift 25 of the New Croton Aqueduct. ***This permit needs 180 days for renewal process	Edward Coleman			2011-08-26		2012-10-01	2013-09-30	-29	Obtained/Compliance
				Permit renewal effective 10/6/2013. New expiration date is 9/30/2018.									



PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Submission	Permit Application Submission Date Estimated	Actual	Days to Required Application Approval	Permit Application Approval Date Required	Actual	Permit Expiration Date	Days to Expiration	Permit Status
8827	NYCDOB	Electrical Permit (Form ED-184)	Y 153307	General wiring for Contract CRO-312E2 (Walebach Electric)	Diamond Tsai					2010-10-25		2013-10-25	4	Obtained/Compliance
18810	NYCDOB	Construction Activity Permit	X02-2013261-03	To open the roadway and/or sidewalk at Jerome Ave from Bainbridge St. to E. 213 St.	Harold Miller					2013-09-18		2013-11-15	17	Obtained/Compliance
18818	NYCDOB	Construction Activity Permit	X02-2013252-07	To open the roadway and/or sidewalk at Jerome Ave from Bainbridge St. to E. 213 St. to place material on the street	Harold Miller					2013-09-10		2013-11-15	17	Obtained/Compliance
18814	NYCDOB	Construction Activity Permit	X02-2013261-03	To open the roadway and/or sidewalk at Jerome Ave from Bainbridge St. to E. 213 St.	Harold Miller					2013-09-18		2013-11-15	17	Obtained/Compliance
18815	NYCDOB	Street Opening Permit	X02-2013261-03	To open the roadway and/or sidewalk at Jerome Ave from Bainbridge St. to E. 213 St. to place a backhoe	Harold Miller					2013-09-18		2013-11-15	17	Obtained/Compliance
18811	NYCDOB	Street Opening Permit	X02-2013261-03	To open the roadway and/or sidewalk at Jerome Ave from Bainbridge St. to E. 213 St. to place a backhoe	Harold Miller					2013-09-18		2013-11-15	17	Obtained/Compliance
17478	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CD 3288	Libbert crane - serial # 540488 ***This permit needs days for renewal process	Harold Miller					2013-02-26		2013-12-05	37	Obtained/Compliance
3278	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CD 3822	Tadano - serial # 540488 ***This permit needs days for renewal process	Harold Miller					2009-01-07		2013-12-20	52	Obtained/Compliance
12671	NYCDEP	Fuel Oil Burning Notice of Application/Plans Approval and Certificate of Operations	0874-10X	Installation of 2 boilers at WTP - Emission Point 1	Donald Spiegel					2010-05-11		2013-12-30	62	Obtained/Compliance
12670	NYCDEP	Fuel Oil Burning Notice of Application/Plans Approval and Certificate of Operations	0875-10Y	Installation of 2 boilers at WTP - Emission Point 2	Donald Spiegel					2010-05-11		2013-12-30	62	Obtained/Compliance
3249	Con Ed	Consultation	None Assigned	Working near Con Ed electrical services <Comment>: There is no expiration date associated with this permit.	Max Klavansky					2007-08-21				Obtained/Compliance
9719	FDNY	Access Roadways	None Assigned	FDNY Fire Truck Site Access Roadways <Comment>: Verbal approval was obtained on 12/14/10. There is no expiration date associated with this permit.	Lauren D'Attilio					2010-12-14				Obtained/Compliance
3229	FDNY	Bulk Storage of Acids Plan Approval	None Assigned	Storage of permanent acids at Water Treatment Plant <Comment>: There is no expiration date associated with this permit.	Donald Spiegel					2010-09-20				Obtained/Compliance

PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Application Submission	Permit Application Submission Date Estimated	Days to Required Application Approval	Permit Application Approval Date Required	Permit Expiration Date	Days to Expiration	Permit Status
8933	FDNY	Chemical Storage and Feed System Approval	None Assigned	Chemical storage and feed system installation for Contract CRO-312G. <Comments>: There is no expiration date associated with this permit.	Lauren D'Attilio		2010-07-16		2010-09-20			Obtained/Compliance
8929	FDNY	Clean Agent Fire Suppression System	None Assigned	Clean agent fire suppression system installation for Contract CRO-312P. <Comments>: Electrical portion approved. Mechanical portion approved with conditions. There is no expiration date associated with this permit.	Lauren D'Attilio		2010-06-18		2010-09-07			Obtained/Compliance
17322	FDNY	Compressed Gases	F 22327	Storage of acetylene and oxygen for construction for Contract CRO-312H	Lawrence Graff				2013-05-16	2014-05-16	199	Obtained/Compliance
17320	FDNY	Compressed Gases	F 22323	Storage of compressed gases for Contract CRO-312E1	Lawrence Graff				2013-05-11	2014-05-11	194	Obtained/Compliance
18134	FDNY	Compressed Gases	F 08307	Storage of acetylene and oxygen for construction for Contract CRO-312G	Anthony Rosano				2013-08-06	2014-08-06	280	Obtained/Compliance
8931	FDNY	Dry Chemical Fire Suppression Approval	3016686	Dry chemical fire suppression system installation for Contract CRO-312P. <Comments>: There is no expiration date associated with this permit.	Lauren D'Attilio		2010-06-14		2011-04-15			Obtained/Compliance
8131	FDNY	Fire Alarm System	None Assigned	Approval of fire alarm system design. <Comments>: There is no expiration date associated with this permit.	Donald Spiegel		2010-06-04		2011-02-14			Obtained/Compliance
8932	FDNY	Gas Detection System Approval	None Assigned	Gas detection system installation for Contract CRO-312E. <Comments>: There is no expiration date associated with this permit.	Lauren D'Attilio		2010-06-20		2011-06-02			Obtained/Compliance
18137	FDNY	Hazardous Chemicals	F 08308	Storage of flammable liquids on-site for Contract CRO-312G	Anthony Rosano				2013-08-06	2014-08-06	280	Obtained/Compliance
18141	FDNY	Hazardous Chemicals	None Assigned	Chemical storage tanks for Sodium Hypochlorite at the Water Treatment Plant. <Comments>: Temporary approval received - final permanent permit still to be obtained.	Gerard Cox				2013-10-10	2014-03-30	152	Obtained/Compliance
9187	FDNY	In-Building Wireless Radio System Installation Approval	None Assigned	Approval of In-Building Wireless Radio System Installation. <Comments>: There is no expiration date associated with this approval.	Lauren D'Attilio		2010-07-30		2011-01-14			Obtained/Compliance
17318	FDNY	Lubricating Oils	F 22323	Fuel storage for Contract CRO-312E1	Lawrence Graff				2013-05-11	2014-05-11	194	Obtained/Compliance
18136	FDNY	Open Flies Portable Devices	F 08310	Open flame portable kettle for Contract CRO-312G.	Harold Miller				2013-08-06	2014-08-06	280	Obtained/Compliance



PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Application Submission	Permit Application Submission Date Estimated	Permit Application Submission Date Actual	Days to Required Application Approval	Permit Application Approval Date Required	Permit Application Approval Date Actual	Permit Expiration Date	Days to Expiration	Permit Status
18135	FDNY	Paints/Lacquers/Varnishes Storage/Use	F 08309	Storage of paint for Contract CRO-312G.	Harold Miller						2013-08-06	2014-08-05	280	Obtained/Compliance
3218	FDNY	Petroleum Fuel Equipment Approval	2013398778/2013398779	8,000 gallon below grade fuel oil tank and 280 gallon/day tank for permanent emergency generator	Donald Spiegel			2010-07-06			2013-07-03	2014-11-01	368	Obtained/Compliance
8930	FDNY	Pre-Action System Approval	30200869	Pre-action system installation for Contract CRO-312P. <Comment>: There is no expiration date associated with this permit.	Lauren D'Attilie			2010-07-06			2011-04-15			Obtained/Compliance
8934	FDNY	Review of Natural Gas Protection/Shutdown Approval	None Assigned	Natural gas protection/shutdown approval for Contract CRO-312P. <Comment>: There is no expiration date associated with this permit.	Lauren D'Attilie			2010-08-20			2011-06-02			Obtained/Compliance
8130	FDNY	Sprinkler and Standpipe Permit	None Assigned	Approval of standpipe and sprinkler design <Comment>: Approved by the Bureau of Electrical Control Advisory Board on 4/18/12 with conditions. There is no expiration date associated with this permit.	Donald Spiegel			2010-06-09			2012-04-18			Obtained/Compliance
18139	FDNY	Storage/Use of Ammunition for Powder Activated Tools	F 08308	Use of ammunition for powder activated tools at site for Contract CRO-312G	Anthony Rosano						2013-08-06	2014-08-05	280	Obtained/Compliance
18135	FDNY	Storage/Use of Flammable and Combustible Liquids	F 08311	Storage and use of 30 gallons of organic peroxide for Contract CRO-312G	Anthony Rosano						2013-08-06	2014-08-05	280	Obtained/Compliance
17316	FDNY	Storage/Use of Pressurized Products	F 22323	Fuel storage for Contract CRO-312E1	Lawrence Graff						2013-05-11	2014-05-11	194	Obtained/Compliance
17321	FDNY	Storage/Use of Pressurized Products	F 22327	Storage of flammable liquids at site for Contract CRO-312H	Lawrence Graff						2013-05-16	2014-05-16	199	Obtained/Compliance
18138	FDNY	Torch Operations	F 08308	Storage of acetylene and oxygen for construction for Contract CRO-312G	Anthony Rosano						2013-08-06	2014-08-05	280	Obtained/Compliance
17323	FDNY	Torch Operations	F 22327	Storage of acetylene and oxygen for construction for Contract CRO-312H	Lawrence Graff						2013-05-16	2014-05-16	199	Obtained/Compliance
3184	NYCDC	Design Commission Approval	23373/23392	Architectural above grade structures for the WTP - initial and final approval. <Comment>: There is no expiration date associated with this permit. Initial approval was obtained on 12/8/08.	Donald Spiegel						2009-10-05			Obtained/Compliance
8389	NYCDCP	Uniform Land Use Review Procedure	None Assigned	ULURP was completed for the Moshulu site associated with this permit. "No Expiration Date Required"	Alexander Kimball						1998-12-30			Obtained/Compliance
4121	NYCDEP	Air Pollution - Work Permit	FB 0328-13M	Kaeser Compressor - serial # 337	Harold Miller			2009-03-24			2009-04-10	2016-07-19	394	Obtained/Compliance

PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Application Submission	Permit Application Submission Date Estimated	Days to Required Application Approval	Permit Application Approval Date Required	Permit Expiration Date	Days to Expiration on	Permit Status
8522	NYCDEP	Air Pollution - Work Permit	None Assigned	Marathon Equipment, Inc. Melting Kettle - serial # 2M9GMK4T18H102205	Harold Miller		2011-05-19					Submitted
12673	NYCDEP	Air Pollution - Work Permit	PB 0526-11J	Installation of 2000 KW Emergency Generator at WTP	James Schaefer		2011-11-17			2014-12-18	415	Obtained/Compliance
8523	NYCDEP	Approval of Backflow Prevention Devices (Form GEN 236) and Backflow Prevention Test and Maintenance	10027644	Double check valve at north water meter pit and double check valve at south water meter pit. <Comment>: There is no expiration date associated with this permit. Expiration date is associated with annual test for valve at south meter pit.	Donald Spiegel		2010-07-13			2014-04-02	155	Obtained/Compliance
9200	NYCDEP	Approval of Backflow Prevention Devices (Form GEN 236) and Backflow Prevention Test and Maintenance	05015059	2 devices installed during construction for water. <Comment>: There is no expiration date associated with this permit. Expiration date is associated with annual test.	Harold Miller					2014-04-02	155	Obtained/Compliance
13068	NYCDEP	Approval of Backflow Prevention Devices (Form GEN 236) and Backflow Prevention Test and Maintenance	12036778	Permit is for permanent domestic water service (6 inch) BFP Devices #1 and #2, (10 inch) BFP Device #3, and BFP Device #10 for the infiltration trench. <Comment>: Expiration date is associated with annual test for devices 1, 2 and 3.	Donald Spiegel					2014-05-31	214	Obtained/Compliance
11775	NYCDEP	Approval of Backflow Prevention Devices (Form GEN 236) and Backflow Prevention Test and Maintenance Report	12037547	Permit is for 7 BFP Devices #4A, 4B, and 5-9. <Comment>: Expiration date is associated with the annual test for devices 8 and 9. Annual test for devices 5-7 expires on 5/24/14.	Donald Spiegel					2014-05-10	193	Obtained/Compliance
6390	NYCDEP	City Environmental Quality Review Environmental Impact Statement	None Assigned	Final Supplemental EIS and Minor Modification was prepared. <Comment>: The approval date is for the EIS. The Minor Modification was approved on 6/24/08. *No Expiration Date Required*	Donald Spiegel					2004-06-30		Obtained/Compliance
5637	NYCDEP	Construction Activity Variance - Noise Abatement	None Assigned	Required for construction of Contract CRO-312G for Saturday work. <Comment>: An e-mail approval was obtained for this permit. There is no expiration date identified in the e-mail.	Harold Miller					2008-07-11		Obtained/Compliance
9229	NYCDEP	Construction Activity Variance - Noise Abatement	None Assigned	Required for construction of Contract CRO-312E1 for 5 AM start time. <Comment>: No reply from NYCDEP.	Lawrence Graff		2010-11-10					Submitted

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3156	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Required for construction of Contract CRO-312E2 <Comments>: This permit was revised to extend the normal work hours from 8:00 pm to 11:30 pm. There is no expiration date associated with this permit.	Lawrence Graff					2008-12-05			Obtained/Compliance
3158	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Required for construction of Contract CRO-312H <Comments>: There is no expiration date associated with this permit. A modification to the existing plan was issued on 12/5/09.						2008-10-01			Obtained/Compliance
3159	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Required for construction of Contract CRO-312P <Comments>: There is no expiration date associated with this permit.	Jim Hayden					2008-10-31			Obtained/Compliance
3155	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Required for construction of Contract CRO-312E1 <Comments>: This permit was revised to extend the normal work hours from 8:00 pm to 11:30 pm. There is no expiration date associated with this permit.	Lawrence Graff					2008-12-05			Obtained/Compliance
3157	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Required for construction of Contract CRO-312G <Comments>: There is no expiration date associated with this permit. A modification to the existing plan was issued on 10/20/09.	Harold Miller					2008-08-21			Obtained/Compliance
18132	NYCDEP	Customer Service Permit	666442	Discharge wastewater from Shaft 25	Harold Miller					2013-08-21	2014-08-11	236	Obtained/Compliance
18812	NYCDEP	Hydrant Permit	669785	Use of hydrant to fill water truck *No Expiration Date Required*	Harold Miller					2013-10-11	2014-04-11		Obtained/Compliance
18817	NYCDEP	Hydrant Permit	669787	Use of hydrant to fill water truck *No Expiration Date Required*	Harold Miller					2013-10-11	2014-04-11		Obtained/Compliance
18813	NYCDEP	Hydrant Permit	669787	Use of hydrant to fill water truck *No Expiration Date Required*	Harold Miller					2013-10-11	2014-04-11		Obtained/Compliance
18816	NYCDEP	Hydrant Permit	669785	Use of hydrant to fill water truck *No Expiration Date Required*	Harold Miller					2013-10-11	2014-04-11		Obtained/Compliance
12819	NYCDEP	Industrial Wastewater Discharge Permit	11-P3217-1	Discharge from WTP to sewer	Harold Miller					2011-10-25	2016-10-24	1091	Obtained/Compliance
3233	NYCDEP	Not an Asbestos Project Notification (Form ACP5)	None Assigned	Ice House demolition <Comments>: Permit due dates are adjusted each month based on changes to project schedule.	Harold Miller	186	2014-05-02	215	2014-06-01				Identified



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16097	NYCDEP	Permit for Tap, Plug, Wet Connection, Repair/Relay of Water Service Line	648534	Install wet tap on new water main piping to provide water service to DEP Police Booth.	Harold Miller			2013-01-07			2013-02-14			Obtained/Compliance
3161	NYCDEP	Registration for Demolition	None Assigned	Demolition of the Ice House <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Harold Miller	185	2014-05-02		215	2014-08-01				Identified
7642	NYCDEP	Trailer Connection Permit	SCX-054/12(i)	Sewer connection to Skanska/Tully and CM trailer	Harold Miller						2012-02-22	2014-02-22	116	Obtained/Compliance
18131	NYCDEP	Wastewater Quality Control Permit	C-4698	Discharge wastewater from Shaft 25	Harold Miller						2013-08-12	2014-08-11	285	Obtained/Compliance
18817	NYCDEP	Wastewater Quality Control Permit	C-5227	Effluent generated during chlorinated disinfection discharge	Harold Miller						2013-08-10	2014-08-10	318	Obtained/Compliance
8267	NYCDEP	Water meter	619608	North water meter pit <Comment>: There is no expiration date associated with this permit.	Harold Miller			2012-01-23			2012-01-30			Obtained/Compliance
8265	NYCDEP	Water meter	575220	South water meter pit <Comment>: There is no expiration date associated with this permit.	Harold Miller			2010-06-16			2010-07-01			Obtained/Compliance
16099	NYCDEP	Water meter	645420	Install an 8 inch fire service water connection onto the existing 12 inch water line on Jerome Ave. <Comment>: There is no expiration date associated with this permit.	Harold Miller						2013-01-07			Obtained/Compliance
16697	NYCDOB	Builder Pavement Plan	None Assigned	Pavement construction on the WTP Site <Comment>: There is no expiration date associated with this permit.	Donald Spiegel			2011-10-12			2012-12-11			Obtained/Compliance
17326	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CN 334/13	Libbair crane - serial #470552	Harold Miller						2013-05-20	2014-05-20	203	Obtained/Compliance
18616	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CN 809/13	Libbair crane - serial #470552 <Comment>: There is no expiration date associated with this permit.	Harold Miller			2013-06-18			2013-08-28			Obtained/Compliance
13072	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CN 326/11	Tadano cranes serial #540399 and 540488 <Comment>: Tadano crane serial #540488 was added to this CN on 9/13/13.	Harold Miller						2011-06-17	2014-06-17	231	Obtained/Compliance
12093	NYCDOB	Electrical Permit (Form ED-16A)	Y 156098	Temporary construction for Contract 312G	Paul Kleinberg						2011-06-08	2014-06-08	222	Obtained/Compliance

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14022	NYCDOB	Electrical Permit (Form ED-16A)	Y 160179	Service work/modify utility for CRO-312E2 <Comment>: There is no expiration date associated with this permit. This permit replaces permit Y145740.	Martin Alljewicz				2012-05-29			Obtained/Compliance
14023	NYCDOB	Electrical Permit (Form ED-16A)	Y 160180	Temporary construction and temporary light & power for Contract CRO-312E2. <Comment>: There is no expiration date associated with this permit. This permit replaces permit Y149706.	Martin Alljewicz				2012-05-29			Obtained/Compliance
15580	NYCDOB	Electrical Permit (Form ED-16A)	Y 161536	General wiring for Contract CRO-312E1 <Comment>: There is no expiration date associated with this permit.	Kwok Li				2012-09-12			Obtained/Compliance
15557	NYCDOB	Electrical Permit (Form ED-16A)	Y 161484	General wiring and lighting work for Contract CRO-312E1. <Comment>: There is no expiration date associated with this permit.	Ruckin Drummond				2012-09-07			Obtained/Compliance
14018	NYCDOB	Electrical Permit (Form ED-16A)	Y 160174	Temporary light and power for CRO-312E1/E2. <Comment>: There is no expiration date associated with this permit. This permit replaces permit Y145743.	Martin Alljewicz				2012-05-29			Obtained/Compliance
13777	NYCDOB	Electrical Permit (Form ED-16A)	Y 159625	General wiring on 4000 level Plant B zones 10-19, 25-28 elev. 168 for Contract CRO-312E1. <Comment>: There is no expiration date associated with this permit.	Craig Gilston				2012-04-12			Obtained/Compliance
14048	NYCDOB	Electrical Permit (Form ED-16A)	Y 160181	Temporary light and power for CRO-312E1 <Comment>: There is no expiration date associated with this permit. This permit replaces permit Y145744.	Martin Alljewicz				2012-05-29			Obtained/Compliance
12960	NYCDOB	Electrical Permit (Form ED-16A)	Y 158463	General wiring for Contract CRO-312E1 (Gilston)	Craig Gilston				2011-12-20	2014-12-20	417	Obtained/Compliance
13069	NYCDOB	Electrical Permit (Form ED-16A)	Y 158844	General wiring for level 4000, zones 1 through 9, elevation 188 feet	Craig Gilston				2012-07-31	2015-07-31	459	Obtained/Compliance
9958	NYCDOB	Electrical Permit (Form ED-16A)	Y 155281	General wiring for Contract E2 (Hawkeye)	Patrick Pollari				2011-04-08	2014-04-08	159	Obtained/Compliance
14021	NYCDOB	Electrical Permit (Form ED-16A)	Y 160176	Temporary light and power for CRO-312E2 <Comment>: There is no expiration date associated with this permit. This permit replaces permit Y145741.	Martin Alljewicz				2012-05-29			Obtained/Compliance
12092	NYCDOB	Electrical Permit (Form ED-16A)	Y 157338	General wiring and other for emergency generator for Contract E1 (KNID)	Kristine Denapoll				2011-09-15	2014-09-15	321	Obtained/Compliance

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14019	NYCDOB	Electrical Permit (Form ED-16A)	Y 180175	Electrical substation for CRO-312 at the WTP site. <Comment>: There is no expiration date associated with this permit. This permit replaces permit Y180255.	Martin Alljewicz						2012-05-29			Obtained/Compliance
14020	NYCDOB	Electrical Permit (Form ED-16A)	Y 180177	General wiring for Contract CRO-312E1 <Comment>: There is no expiration date associated with this permit. This permit replaces permit Y184584.	Martin Alljewicz						2012-05-29			Obtained/Compliance
12080	NYCDOB	Electrical Permit (Form ED-16A)	Y 157900	Electrical work for emergency generator for Contract E1(KND)	Kristine Denapoli						2011-08-13	2014-09-13	319	Obtained/Compliance
9891	NYCDOB	Electrical Permit (Form ED-16A)	Y 154875	General wiring, elevator, HVAC wiring, boiler/burner wiring, and temporary light and power for Contract CRO-312E1 (E1 Electric)	Robert Mann						2011-02-16	2014-02-16	110	Obtained/Compliance
3282	NYCDOB	Elevator Application (Form ELV-1)	105-11	Installation of 1 passenger elevator at the WTP <Comment>: There is no expiration date associated with this permit. "No Expiration Date Required"	Joseph Cruz						2011-01-26			Obtained/Compliance
3284	NYCDOB	Elevator Application (Form ELV-1)	108-11	Installation of 1 freight elevator at the WTP <Comment>: There is no expiration date associated with this permit. "No Expiration Date Required"	Joseph Cruz						2011-01-26			Obtained/Compliance
3283	NYCDOB	Elevator Application (Form ELV-1)	102-11	Installation of 1 freight elevator at the WTP <Comment>: There is no expiration date associated with this permit. "No Expiration Date Required"	Joseph Cruz						2011-01-26			Obtained/Compliance
3281	NYCDOB	Elevator Application (Form ELV-1)	105-11	Installation of 1 passenger elevator at the WTP <Comment>: There is no expiration date associated with this permit. "No Expiration Date Required"	Joseph Cruz						2011-01-26			Obtained/Compliance
3280	NYCDOB	Elevator Application (Form ELV-1)	104-11	Installation of 1 passenger elevator at the WTP <Comment>: There is no expiration date associated with this permit. "No Expiration Date Required"	Joseph Cruz						2011-01-26			Obtained/Compliance
3163	NYCDOB	Notice of Excavation	None Assigned	Excavation work for Contract CRO-312G (Utilities) <Comment>: There is no expiration date associated with this notice.	Harold Miller			2009-07-15			2009-08-14			Obtained/Compliance
3281	NYCDOB	Technical Report: Statement of Responsibility	None Assigned	Gas pipeline <Comment>: There is no expiration date associated with this permit.	Ted Kozlars			2013-01-14			2013-01-28			Obtained/Compliance



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17481	NYCDOB	Work Permit Application	220287598-011-EM-BL	Boiler installation and testing at WTP	Robert Durr						2013-08-21	2014-06-21	235	Obtained/Compliance
11777	NYCDOB	Work Permit Application	220089878-011-PL	Permit is for the plumbing and natural gas service at the WTP	Robert Goldin						2011-08-08	2014-06-10	224	Obtained/Compliance
3290	NYCDOB	Work Permit Application	None Assigned	Demolition of the Ios House <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Harold Miller	185	2014-05-02		215	2014-06-01				Identified
3216	NYSDEC	Hazardous Substance Bulk Storage Registration (Chemical Bulk Storage Registration)	CBS Number 2-000508	Chemical storage tanks for Sodium Hypochlorite at the Water Treatment Plant	Lauren D'Attilio			2013-06-20			2013-07-01	2015-06-14	593	Obtained/Compliance
18615	NYSDEC	Hazardous Substance Bulk Storage Registration (Chemical Bulk Storage Registration)	CBS Number 2-000503	Chemical storage tanks for Chemicals (other than Sodium Hypochlorite) at the Water Treatment Plant	Lauren D'Attilio			2013-10-03			2013-10-24	2015-06-14	593	Obtained/Compliance
2965	NYSDEC	Petroleum Bulk Storage Facility Registration	PBS Number 2-809861	3 aboveground diesel tanks including 8,000 gal. diesel tank and 280 gal. day tank <Comment>: Signed certificate dated 4/3/13 for 8,000 gal, 280 gal, and 750 gal tanks.	Gerard Cox						2006-07-12	2015-07-12	621	Obtained/Compliance
4983	NYSDEC	State Facility Permit	2-8099-0001/10005	Installation of 4 boilers and 1 emergency generator at Water Treatment Plant <Comment>: There is no expiration date associated with this permit. Permit modification received on 8/7/09.	Donald Spiegel						2007-02-26			Obtained/Compliance
3191	NYSDEC	State Pollution Discharge Elimination System General Permit for Stormwater Discharges (GP-Q-08-01)	NYR01142	Construction activities at Water Treatment Plant site <Comment>: There is no expiration date associated with this permit.	Vincent Moorehead						2008-05-01			Obtained/Compliance
2922	NYSDEC	Stormwater Pollution Prevention Plan for Stormwater Discharges	None Assigned	Construction activities at Water Treatment Plant site <Comment>: There is no expiration date associated with this permit. *No Expiration Date Required*	Vincent Moorehead						2004-12-20			Obtained/Compliance
3217	NYSDEC	United States Environmental Protection Agency (USEPA) Identification Number	NYR001129452	Hazardous waste removal from site <Comment>: There is no expiration date associated with this permit. *No Expiration Date Required*	Bernard Daly			2004-12-03			2005-01-05			Obtained/Compliance
4120	NYSDEC	Waste Transporter Permit	NJ-113	Transportation of regulated waste by Freshhold Garbage, Inc.	Harold Miller						2008-07-01	2014-05-30	244	Obtained/Compliance
9869	NYSDEC	Waste Transporter Permit	1A-839	Transportation of soil for Contract CRO-312G by Silverite Contracting Corporation	Harold Miller						2011-03-08	2014-03-07	129	Obtained/Compliance



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4788	NYSDDEC	Waste Transporter Permit	NJ-197	Transportation of regulated waste by Apdther Industrial Vac Service, Inc. for Contract CRO-312H	Sal Ceramino							2014-06-30	244	Obtained/Compliance
6392	NYSDOH	Approval of Plans for Public Water Supply Improvement	Log No. 16727, DWRRF No. 16479	Construction of Water Treatment Plant <Comment>: There is no expiration date associated with this permit.	Donald Spiegel			2006-04-28			2008-05-19			Obtained/Compliance
6391	NYSDOH	State Environmental Review Certification for New York State Revolving Fund Program	None Assigned	Project is under New York State Revolving Fund Program	James Mueller									Obtained/Compliance
19874	NYSDOL	Boiler Approval	None Assigned	Required for boilers at the WTP	Heather Goelsch	124	2014-03-02		154	2014-04-01				Identified
3250	Tire Warner Cable	Consultation	None Assigned	Working near Time Warner Cable services <Comment>: There is no expiration date associated with this permit.	Lawrence Graff						2007-08-21			Obtained/Compliance
3232	USEPA	Spill Prevention, Control and Countermeasure Plan	None Assigned	Plan for operations during construction <Comment>: This plan was updated in 11/2012. There is no expiration date associated with this permit.							2012-11-28			Obtained/Compliance
3187	USEPA	Underground Injection Control - Area Permit	05NY00526005	Infiltration trench. <Comment>: Letter identifying modifications made to the trench was submitted to the USEPA on 5/19/09.	Donna Hager						2004-12-09	2014-12-09	406	Obtained/Compliance
3251	Verizon	Consultation	None Assigned	Working near Verizon services <Comment>: There is no expiration date associated with this permit.	Lawrence Graff						2007-08-21			Obtained/Compliance



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8171	NYCDEP	Not an Asbestos Project Notification (Form ACP5)	None Assigned	Will be filed after asbestos removed from Demo WTP foundation and prior to its demolition - multiple stages <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	-26	2013-10-03	Submitted 10/21/2013	2	2013-10-31				Identified
16484	NYCDOB	Application for Building Enforcement Safety Team Recommendation for Mechanical Means Demolition	None Assigned	Demolition of the Demo WTP foundation walls, slab, and footings <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	-26	2013-10-03	Submitted 9/30/21013	2	2013-10-31				Identified
16485	NYCDOB	Building Enforcement Safety Team Pre-Demolition Inspection Application	None Assigned	Demolition of the Demo WTP foundation walls, slab, and footings <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	-26	2013-10-03	Submitted 9/30/2013	2	2013-10-31				Identified
2684	NYCDEP	Registration for Demolition	None Assigned	Demolition of Microtrainer Building <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	-11	2013-10-18	Estimated Submission Date 11/15/2013	17	2013-11-15				Identified
3086	NYCDOB	Application for Building Enforcement Safety Team Recommendation for Mechanical Means Demolition	None Assigned	Demolition of Microtrainer Building <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	-11	2013-10-18	Estimated Submission Date 11/15/2013	17	2013-11-15				Identified
3088	NYCDOB	Building Enforcement Safety Team Pre-Demolition Inspection Application	None Assigned	Demolition of Microtrainer Building <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	-11	2013-10-18	Estimated Submission Date 11/15/2013	17	2013-11-15				Identified
3076	NYCDOB	Self-Certification of Plumbing Inspection/Test	None Assigned	Plumbing work at Shaft and Meter Chamber and at Gate House 5 <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	John Clukies	-11	2013-10-18	Estimated submission Date 11/30/13	17	2013-11-15				Identified
3078	NYCDOB	Sewer Self Certification Site Connection Proposal	None Assigned	New sump pump at S&M Chamber will drain to existing combined sewer pipe in front of GH 5 <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	John Clukies	-11	2013-10-18	Estimated submission Date 11/30/13	17	2013-11-15				Identified
16830	NYCDOB	Construction Activity Permit	None Assigned	Restoration of Goulden Ave. road plates	Joseph Ascolese	-5	2013-10-24		-1	2013-10-28	Approved 10/28/2013			Identified
16829	NYCDOB	Construction Activity Permit	None Assigned	For test pit in Sedgwick Ave.	Joseph Ascolese	-5	2013-10-24		-1	2013-10-28	Approved 10/30/2013			Identified



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17576	NYCDOE	Construction Activity Permit	None Assigned	Closure of two eastbound lanes west of Goulden Ave. intersection to work in Shaft 3. <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	20	2013-11-13		35	2013-12-03				Identified
17577	NYCDEP	Asbestos Inspection Report Asbestos Project Notification (Form ACP7)	None Assigned	Removal of asbestos from a window at GH 7 by ATF <Comment>: Permit due dates are adjusted each month based on changes to project schedule.	Joseph Ascolese	50	2013-12-13		75	2014-01-15				Identified
8170	NYCDEP	Registration for Demolition	None Assigned	Demolition of the Dermo WTP foundation walls, slab and footings <Comment>: Permit application was completed on 9/5/13. It is currently being reviewed by NYCDEP.	Joseph Ascolese			2013-09-05	2	2013-10-31				Submitted
7227	NYCDPR	Tree Work Permit	BX10-004	Tree removal/trimming at Gate House 1 by Elder Electric <Comment>: The work is completed except for the cleanup tasks, which cannot be completed until the other contractors in the area finish their work.	Joseph Ascolese			2009-12-15			2010-01-13	2010-12-31	-1033	Obtained/Compliance
3006	NYCDPR	Tree Work Permit	BX10-003	Tree removal/trimming at Gate House 1 by Picone-Schiavone <Comment>: Permitted work completed. Restoration cannot be done until all work in the area is completed.	Joseph Ascolese			2010-07-13			2010-07-13	2011-03-06	-868	Obtained/Compliance
5473	NYCDOE	Electrical Permit (Form ED-16A)	Y145893	Electrical work for construction and temporary trailer complex <Comment>: As per the NYCDOE, this permit is in effect until work is completed.	John Villafane			2009-03-20			2009-03-20	2012-03-20	-588	Obtained/Compliance
4806	NYCDOE	Electrical Permit (Form ED-16A)	Y146300	General Wiring at Gate House 1 <Comment>: As per the NYCDOE, this permit is in effect until work is completed.	John Villafane			2009-04-16			2009-04-16	2012-04-16	-561	Obtained/Compliance
5638	NYCDOE	Electrical Permit (Form ED-16A)	Y147459	General wiring at Gate House 5 <Comment>: As per the NYCDOE, this permit is in effect until work is completed.	John Villafane			2009-06-19			2009-06-19	2012-06-19	-497	Obtained/Compliance
5477	NYCDOE	Electrical Permit (Form ED-16A)	Y147380	General wiring and service work/notify utilities for Shaft and Meter Chamber <Comment>: As per the NYCDOE, this permit is in effect until work is completed.	John Villafane			2009-06-28			2009-06-28	2012-06-28	-487	Obtained/Compliance



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3060	NYSDOT	Highway Work Permit for Non-Utility Work	2010111220	Construction of access roadway to Gate House 1 site from 1487 southbound lane <Comment>: Access road constructed. Restoration work will be completed when the work at GH 1 is completed.	Joseph Ascolese				2010-04-14	2013-01-30	Obtained/Compliance
3005	NYCDPR	Tree Work Permit	BX09-008	Tree removal/trimming at Jerome Park Reservoir <Comment>: A permit amendment was issued on 3/27/09.	Joseph Ascolese		2009-01-10		2009-03-06	2013-03-06	Obtained/Compliance
18826	NYCDOT	Construction Activity Permit	X02-2013254-0 62	To occupy the sidewalk at Goulden Ave. between Sedgwick Ave. and W. 205 St.	Joseph Ascolese				2013-09-27	2013-11-13	Obtained/Compliance
18826	NYCDOT	Construction Activity Permit	X02-2013254-0 60	To occupy the roadway and/or sidewalk at Goulden Ave. from Bend to West 205 St.	Joseph Ascolese				2013-09-27	2013-11-13	Obtained/Compliance
18824	NYCDOT	Construction Activity Permit	X02-2013254-0 59	To occupy the roadway at Goulden Ave. between Sedgwick Ave. and W. 205 St.	Joseph Ascolese				2013-09-27	2013-11-13	Obtained/Compliance
18823	NYCDOT	Construction Activity Permit	X02-2013254-0 58	To occupy the roadway and/or sidewalk at Goulden Ave. between Sedgwick Ave. and W. 205 St. for temporary pedestrian walk	Joseph Ascolese				2013-09-27	2013-11-13	Obtained/Compliance
18827	NYCDOT	Construction Activity Permit	X02-2013254-0 63	To occupy the roadway in front of Major Deegan Expy NB ET 13 from Major Deegan Expy SB ET 13 to E. 233 St. to remove guardrail for parkland access.	Joseph Ascolese				2013-09-27	2013-11-13	Obtained/Compliance
18828	NYCDOT	Construction Activity Permit	X02-2013254-0 61	To occupy the roadway and/or sidewalk at Goulden Ave. from Bend to West 205 St. for jersey barrier	Joseph Ascolese				2013-09-27	2013-11-13	Obtained/Compliance
9073	NYCDEP	Air Pollution - Work Permit	PB 001111R	Cummins emergency generator - serial # M081106701			2011-01-06		2011-01-18	2014-01-16	Obtained/Compliance
3072	Con Ed	Consultation	None Assigned	Construction adjacent to 138 KV duct bank along Goulden Ave. sidewalk <Comment>: There is no expiration date associated with this permit. Consultation meeting conducted on 3/12/10.	Joseph Ascolese		2009-04-06				Obtained/Compliance
8115	Con Ed	Consultation	Case Number 1228086	Upgrade of service at Gate House 1	Joseph Ascolese		2011-06-09				Submitted
8117	Con Ed	Consultation	Case Number 1228077	Upgrade of service at Gate House 5 <Comment>: There is no expiration date associated with this permit.	Joseph Ascolese		2011-06-09		2013-07-29		Obtained/Compliance



PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Application Submission	Permit Application Submission Date Estimated	Actual	Days to Required Application Approval	Permit Expiration Date	Permit Approval Date	Actual	Required	Days to Permit Expiration on	Permit Status
13029	FDNY	Approval for Day Storage Tank	None Assigned	Installation of 175 gallon sodium hypochlorite day storage tank in Gate House 5 <Comments>: There is no expiration date associated with this permit.	James Schaefer						2011-12-31				Obtained/Compliance
18818	FDNY	Compressed Gases	F 08334	Use of acetylene at Jerome Park Reservoir	Joseph Ascolese						2013-09-05	2014-09-17		323	Obtained/Compliance
18820	FDNY	Lubricating Oils	F 08334	Use of lubricating oils for project	Joseph Ascolese						2013-09-05	2014-09-17		323	Obtained/Compliance
18822	FDNY	Open Fires Portable Devices	F 08357	Open fire/portable device	Joseph Ascolese						2013-09-05	2014-09-17		323	Obtained/Compliance
18821	FDNY	Storage/Use of Pressurized Products	F 08334	Storage/use of pressurized products for project	Joseph Ascolese						2013-09-05	2014-09-17		323	Obtained/Compliance
18819	FDNY	Torch Operations	F 08334	Use of acetylene and oxygen at Jerome Park Reservoir	Joseph Ascolese						2013-09-05	2014-09-17		323	Obtained/Compliance
6395	NYCDEC	Design Commission Approval	23690	Restoration of Gate Houses 2, 3, 4, 6, and 7 <Comments>: There is no expiration date associated with this permit.	Arna Fareih						2009-10-05				Obtained/Compliance
9074	NYCDEP	Air Pollution - Work Permit	None Assigned	Ingersoll Rand compressor (serial # 316224U/K729) at the S&M Meter Chamber for CRO-3120SG	Joseph Ascolese			2010-10-19							Submitted
9231	NYCDEP	Approval of Backflow Prevention Devices (Form GEN 236) and Backflow Prevention Test and Maintenance	10028066	Installation of backflow preventer on temporary water line <Comments>: There is no expiration date associated with this permit. Expiration date associated with annual test.	James Schaefer			2010-10-05			2010-12-23	2014-03-13		135	Obtained/Compliance
3019	NYCDEP	Approval of Backflow Prevention Devices (Form GEN 236) and Backflow Prevention Test and Maintenance	12037011	Installation of two different size backflow prevention devices at Gate House 5 <Comments>: There is no expiration date associated with this permit. Expiration date associated with annual tests.	James Schaefer						2012-02-24	2014-04-02		155	Obtained/Compliance
16944	NYCDEP	Asbestos Inspection Report/Asbestos Project Notification (Form ACP7)	None Assigned	Demolition of the Demo WTP foundation walls, slab, and footings by ATF <Comments>: There is no expiration date associated with this permit.	Joseph Ascolese						2013-04-18				Obtained/Compliance
18142	NYCDEP	Asbestos Inspection Report/Asbestos Project Notification (Form ACP7)	None Assigned	Asbestos removal from the microstrainer building by ATF <Comments>: There is no expiration date associated with this permit.	Joseph Ascolese						2010-10-07				Obtained/Compliance

PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Application Submission	Permit Application Submission Date Estimated	Days to Required Application Approval	Permit Application Approval Date Required	Permit Application Approval Date Actual	Permit Expiration Date	Days to Expiration on	Permit Status
3071	NYCDEP	Construction Activity Variance - Noise Abatement	None Assigned	Required for work on weekends for Contracts CRO-3120S-E and 3120S-G. <Comment>: Approval required periodically. When needed, an e-mail is sent to NYCDEP requesting approval and a confirmation response is obtained.	Joseph Asciose					2009-04-01			Obtained/Compliance
2988	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Prepared for Contract CRO-3120S-H. <Comment>: There is no expiration date associated with this permit.	Timothy Hoderemarsky					2011-11-15			Obtained/Compliance
2986	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Prepared for Contract CRO-3120S-E. <Comment>: There is no expiration date associated with this permit.						2009-07-27			Obtained/Compliance
2989	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Prepared for Contract CRO-3120S-P. <Comment>: There is no expiration date associated with this permit.	John Clukies					2010-08-26			Obtained/Compliance
2987	NYCDEP	Construction Noise Mitigation Plan	None Assigned	Prepared for Contract CRO-3120S-G. <Comment>: There is no expiration date associated with this permit.	Joseph Asciose					2009-05-11			Obtained/Compliance
3015	NYCDEP	New Sewerage System Approval	SCX-131112	Construct 400 ft of combined sewer piping adjacent to GH 5 and S&M Chamber at JPR.	Jarvis Schaefer		2012-04-06			2012-08-17	2014-08-17	232	Obtained/Compliance
3021	NYCDEP	Permit for Tap, Plug, Wet Connection, Repair/Relay of Water Service Line	851390	Water connect for temp. trailer complex in HP Annex at JPR. <Comment>: There is no expiration date associated with this permit.	Joseph Asciose					2009-08-26			Obtained/Compliance
3016	NYCDEP	Sewer Use Permit	550519	Temporary trailer complex and dewatering at the S&M Chamber permanent structure. <Comment>: There is no expiration date associated with this permit.	Joseph Asciose					2009-08-17			Obtained/Compliance
3014	NYCDEP	Trailer Connection Permit	SCX-28409T	Temporary trailer complex in Harris Park Annex at Jerome Park Reservoir. <Comment>: According to Mt. Spector at BWSO, the connection must be made within 2 years and there is no expiration date associated with this permit.	Joseph Asciose					2009-08-06			Obtained/Compliance
12104	NYCDEP	Water Meter Permit	827780/627761	Two water meters will be installed at Gate House 5, one for each service. <Comment>: There is no expiration date associated with this permit.	John Clukies					2012-05-09			Obtained/Compliance



PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Application Submission	Permit Application Submission Date Estimated	Days to Required Application Approval	Permit Application Approval Date Required	Permit Application Approval Date Actual	Permit Expiration Date	Days to Expiration on	Permit Status
2985	NYCDEP	Water Meter Permit	551391	Installation of water meter at temporary trailer complex. <Comment>: There is no expiration date associated with this permit.	Joseph Ascolese					2009-08-28			Obtained/Compliance
8293	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CN 222-10	For Grove serial # 230008 and Grove serial # 221023 at JPR south basin ramp. <Comment>: There is no expiration date associated with the CN renewal.	Joseph Ascolese		2010-04-14			2010-08-07			Obtained/Compliance
14823	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CN 48012	Grove serial # 230008	Joseph Ascolese		2012-08-20			2012-07-10	2014-07-10	254	Obtained/Compliance
5639	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CD 4100	Grove serial # 230008	Joseph Ascolese		2009-02-05			2009-03-17	2014-02-10	104	Obtained/Compliance
4131	NYCDOB	Crane/Derrick/Mobile Work Platform Approval and Operation Application/Certificate (Form CD-2 or Form CD-3)	CN 423/09	For Grove serial # 230008 and cranes associated with CDs 3217, 2911, 3030, 3084, and 3614 that are not currently on-site.	Joseph Ascolese		2009-05-28			2009-06-01	2014-05-21	204	Obtained/Compliance
13077	NYCDOB	Electrical Permit (Form ED-16A)	Y 158867	Service work/utility and general wiring at Gate House 7	John Villafane					2012-02-01	2015-02-01	460	Obtained/Compliance
16760	NYCDOB	Electrical Permit (Form ED-16A)	Y161975	Provide electrical service to Gate House 5 <Comment>: There is no expiration date associated with this permit.	John Villafane					2012-10-23			Obtained/Compliance
16933	NYCDOB	Electrical Permit (Form ED-16A)	Y163679	General wiring under Contract CRO-3120S-P	John Villafane					2013-04-05	2016-04-05	889	Obtained/Compliance
12106	NYCDOB	Work Permit Application	220161063-01-PL	Modification to gas system for new hot water heater at Gate House 5	John Clukies		2012-01-04			2013-08-17	2014-06-17	231	Obtained/Compliance
6474	NYCDPR	Permit to perform work on Parks Property	X-16-03 NF	Construction work will be performed in HP Annex at JPR and GH 1 for Contract 3120S-E	Joseph Ascolese		2009-06-19			2009-07-10	2014-01-31	94	Obtained/Compliance
3010	NYCDPR	Permit to perform work on Parks Property	X-9-09 NFSI	Construction work will be performed in HP Annex at JPR and GH 1 for Contract 3120S-G	Joseph Ascolese		2009-01-14			2009-05-06	2014-01-31	94	Obtained/Compliance
5592	NYSDEC	United States Environmental Protection Agency (USEPA) Identification Number	NYR000187320	Hazardous waste removal at GH 1 <Comment>: There is no expiration date associated with this permit. "No Expiration Date Required"	Bernard Daly					2009-08-31			Obtained/Compliance

PTD Record	Regulatory Agency	Permit Name	Permit Number	Activity Description	Person Responsible	Days to Estimated Application Submission	Permit Application Submission Date	Estimated	Actual	Days to Required Application Approval	Permit Application Approval Date	Required	Actual	Permit Expiration Date	Days to Expiration	Permit Status
11779	NYSDDEC	Waste Transporter Permit	NJ-777	Transportation of regulated waste by Munoz Trucking Corp.	Joseph Ascolese								2011-07-15	2014-09-28	334	Obtained/Compliance
6890	NYSDOH	Approval of Plans for Public Water Supply Improvement	Log # 17802, DWSRF # 16479	Contract CRO-3120S construction work at JPR and GH 1. <Comments>: Alternate emergency bypass plans and specifications were approved by NYSDOH on 9/1/10. There is no expiration date associated with this permit.	James Schaefer		2007-08-21						2008-03-17			Obtained/Compliance
7461	NYSDOPRH	Section 106 Consultation	06PR02855	Modifications to GH 1, 2, 3, 5, and 7, Masholu pumping station, JPR overflow weir, and demolition of microstrainer building. <Comments>: There is no expiration date associated with this permit.	Erin Guire		2007-08-22						2007-09-25			Obtained/Compliance
6887	NYSDOPRH	Section 106 Consultation	09PR08191	Demolition of a section of the Old Croton Aqueduct. <Comments>: There is no expiration date associated with this permit.	Erin Guire		2009-11-30						2008-12-01			Obtained/Compliance

Contract No. (S.E.H.P.)	DPD Issue No.	DPD Issue Description	Contractor		CM			Contractor			CM		DEP	CM	DEP	Comments	
			Contractor's 7-Day Notice of Delay (Date)	DEP Forward to MOCS & ACCO (Date)	CM Opinion (Merit/No Merit)	CM Assigned P-File No.	45-Day Statement of Delay (Date)	Most Recent 30-Day Cost Estimates to Commissioner (Date)	Final Statement of Claim to DEP (Date)	No. Delay Days Claimed (Cal Days)	Cost and Time Impact Recommendation to DEP (Date)	No. Delay Days Recommended (Cal Days)	Commissioner Determination (within 60 days of Final Statement) (Date)	CM Negotiation Complete (Date)	Final Settlement Change Order (Date)		
CRO-312FM	1	No DPD claims submitted to date.															
CRO-312FM	2																
CRO-312FM	3																
CRO-312FM	4																
CRO-312FM	5																

Note: CRO-312FM is currently the only contract to contain damage for delay language on the Croton Water Treatment Plant project.

WWM-11 CROTON WATER TREATMENT PLANT
OCTOBER 31, 2013

OCTOBER 31, 2013

Activity ID		Activity Description	Early Start	Early Finish	2014																
					S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J
PLANT A																					
10		PLANT A FIELD SYSTEM TESTING (BASE CONTRACT)	10OCT12A	21JUN13A																	
40		LOAD NEW CHEMICAL CONTROL STRATEGIES/REDO FST's	13JUN13A	01NOV13																	
190		NAOCL TANK SANITIZING	26AUG13A	26AUG13A																	
70		PLANT A DISINFECTION	21OCT13A	08NOV13																	
220		PLANT A STARTUP AND TESTING TO SHAFT 25	22NOV13*	16JAN14																	
PLANT B																					
50		PLANT B FIELD SYSTEM TESTING - STAGE 1	01APR13A	02MAY13A																	
240		HIGH TEMPERATURE SHUTDOWN	03MAY13A	21MAY13A																	
180		PLANT B MEDIA PLACEMENT INCLUDING BACKWASHING	10MAY13A	11JUL13A																	
250		PLANT B FIELD SYSTEM TESTING STAGE 2	22MAY13A	18NOV13																	
210		LOAD NEW CONTROL STRATEGIES - BW/UUV/CHEM SYS	18JUL13A	18NOV13																	
80		PLANT B DISINFECTION	19NOV13	03DEC13																	
230		PLANT B STARTUP AND TESTING TO SHAFT 25	02FEB14	29MAR14																	
COMMISSIONING																					
200		FILL TW LOW SERVICE TUNNEL AND NCA SOUTH	30MAR14	05APR14																	
90		PLANT A COMMISSIONING AND DRAIN JPR	06APR14	20APR14																	
100		PLANT B COMMISSIONING AND DRAIN JPR	21APR14	05MAY14																	
110		PLANT A AND B COMMISSIONING AND DRAIN JPR	08MAY14	20MAY14																	
DISINFECT LOW SERVICE TUNNEL																					
130			21MAY14	04JUL14																	
140		FIX LOOPS 3 AND 4	05JUL14	26DEC14																	

WM-11 CROTON WATER TREATMENT PLANT
OCTOBER 31, 2013

CROTON WTP SUMMARY SCHEDULE

Activity ID	Activity Description	Early Start	Early Finish
CRO-3120S CM PROJECTIONS			
3120S-110	GH #5 WORK BELOW WATER LEVEL FOREBAY WALL REPAIR	01JAN11A	24MAY13A
3120S-160	(2) HS TW CONSTRUCTION FROM CDC TO CHAMBER A	01JUL12A	01JUL13A
3120S-275	CLEAN SOUTH BASIN DROP WELL	31JUL13A	01AUG13A
3120S-195	FINAL STREET CONNECTIONS GOULDEN AVE. WMs	01JUL13A	06SEP13A
3120S-295	EMERGENCY BY PASS LEAK REPAIR	03SEP13A	22OCT13A
3120S-285	TEST/DISINFECT/RESTORE GOULDEN AVE WM TO SERVICE	09SEP13A	28OCT13A
3120S-190	VALVE CHAMBERS & VENTURI METERS IN GRASS AREA	13MAR13A	02DEC13
3120S-235	COMPLETE ENTRY POINT MONITORING (CO 3120S-G-049)	12SEP12A	31JAN14
3120S-215	GH#5 COMPLETION/TESTING OF HYPO & SUMP DISCHARGE	13SEP12A	31JAN14
3120S-265	REPLACE ACTUATORS/GEARS & SMALL VALVES	28FEB13A	28MAY14
3120S-185	SHAFT 3 INTERIOR WORK (INCLUDING CO-3120S-G-108)	07OCT13*	30JUN14
3120S-255	REPLACE GUARD VALVE ON SOUTH RISER - SHAFT 3	21FEB13A	31AUG14